ProductCatalogue2018

THE PANELS OF SILENCE

THE PANELS OF SILENCE
SINCE 1987

Dear Reader,

In thanking you for taking the time to read this catalogue, I welcome the opportunity to remind you that N.D.A., the Facchini family and all our staff have been committed for more than thirty years to research and development and the manufacture of materials and systems for noise insulation in buildings.

I would like to express warm thanks to all those who have placed their trust in N.D.A. over the years allowing us to progress a company and affirm ourselves on the Italian and international markets.

Luciano Facchini
N.D.A. Srl

NOTE
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In view of its policy of constant development and enhancement of its products, N.D.A. Srl reserves the right to modify its product types and characteristics without prior notice.

Product
Catalogue

THE PANELS OF SILENCE SINCE 1987

SOUND INSULATORS

Special Plasterboards and Dry Construction Boards

Sound Insulation for Walling Partitions

Lead and EPDM Insulation

ANTI-IMPACT NOISE

Polyethylene

Rubber

Combined Textiles

Wall-to-Wall Bands

Perimeters Band

SOUNDABSORBERS

Pyramid-Shaped

Profiled

Flat

Baffles

Ceiling Tiles

ACCESSORIES

Anti-Damping Suspensions

Insulating Tapes

Insulation of Ventilation Holes

Glue

THE PANELS OF SILENCE
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N.D.A. activities follow international quality, environmental and health assessments protocols provided by the following accreditations:

Quality management System UNI en ISO 9001

cert. AJAEU/12/12722

Environmental management system UNI en ISO 14001:04

cert. AJAEU09/11885

Occupational Health and Safety assessments series OHSAS 18001:07

cert. AJA14/AN1848

Product Catalogue

THE PANELS OF SILENCE SINCE 1987

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SOUND IN

SOUND INSULATORS

Special Plasterboards and Dry Construction Boards

Sound Insulation for Walling Partitions

Lead and EPDM Insulation

SULATORS

AKUSTIK® - GIPS ART. 2

MATERIAL

Akustik®-Gips Art. 2 is a special plasterboard with a high density lead rubber coating and a low elastic modules on one side named TECSOUND. Such a combination doesn't allow the plasterboards to vibrate and increases the mass of the whole structure, improving walls and ceilings Acoustic absorption. Product completely bitumen free.

FIELDS OF APPLICATION

Akustik®-Gips Art. 2 is widely used for partition walls and false ceilings sound insulation, to increase their insulation allowing a reduction of thickness and realization times.

INSTALLATION

Akustik®-Gips Art. 2 is applied as a normal plasterboard.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000 o 3000 mm

Thickness: (appr.) 15 mm

PLASTERBOARD COMBINED WITH AN EPDM TECSOUND® HIGH MASS LAYER ON ONE SIDE, FOR SOUND INSULATION AND ANTIVIBRATION EFFECT

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Sound insulation values:** Certified Rw from 58 to 67 dB depending on the constructive system
- **Reaction to fire:** B-s1, d0

COMPOSITION

Bilayer product composed by:

A EPDM 2 mm, 5 Kg/m^2

B Plasterboard 12,5 mm

SPECIAL PLASTERBOARDS AND DRY CONSTRUCTION BOARDS

AKUSTIK® - GIPS ART. 3

PLASTERBOARD WITH AN ECORUBBER® PANEL COATING ON ONE SIDE OF 750 KG/M³, FOR SOUND INSULATION AND VIBRATION-DAMPING EFFECT

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Sound insulation values (TOP version):** Certified Rw from 50,8 to 68 dB depending on the constructive system
- **Reaction to fire:** B-s1, d0

COMPOSITION

Bilayer product composed by:

A ECORUBBER 20 mm (TOP) - 10 mm (MEDIUM) - 5 mm (SLIM)

B Plasterboard 12,5 mm

MATERIAL

Akustik®-Gips Art. 3 is the combination of a plasterboard 12.5 mm thick with Ecorubber®, a panel made of rubber granules whose density is 750 Kg/m³. This stratification allows to obtain a prefabricated element with extraordinary sound-insulating properties and reduced thickness. It is available in three version: SLIM, MEDIUM and TOP (with an hydrophobic plasterboard).

FIELDS OF APPLICATION

Akustik®-Gips Art. 3 is widely used for partition walls and plasterboard ceilings where a very high sound insulation is required (cinemas, clubs, pubs, etc.). Furthermore, it is used for masonry walls to increase their sound-insulating power, and as partition panels, in apartments, hotel rooms, offices, in housing and commercial construction.

INSTALLATION

Akustik®-Gips Art. 3 must be installed on prefabricated partitions with specific screws; or with FORTECEM dB+ cement mortar and mechanical fixing on existing masonry walls.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000 mm

Any other dimensions can be supplied on request.

AKUSTIK® - GIPS ART. 4 (Pb)

MATERIAL

Akustik®-Gips Art. 4 is a plasterboard with a lead layer coating on one side whose thickness can go from 0.5 to 4 mm. This product is used for the screening treatment of walls and ceilings of X-ray rooms, in order to avoid the propagation of radiation. Akustik®-Gips Art. 4 is also a good sound-insulating material.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 1000 - 2000 mm

FIELDS OF APPLICATION

Surgeries, hospitals, diagnostic centers, etc.

INSTALLATION

Akustik®-Gips Art. 4 must be installed as a normal plasterboard, taking great care over joints and screws, sealing them with a lead sheet strip (PB-BAND) to have a total screening. The second plasterboard will be fixed through a specific adhesive mortar, FORTECEM dB+, without screws.

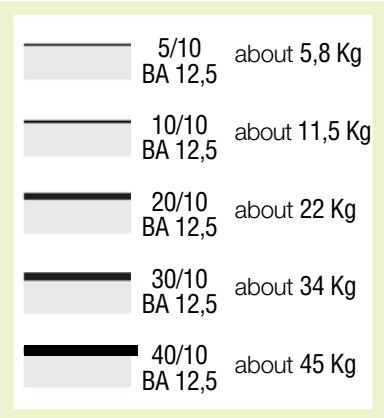
PLASTERBOARD WITH A LEAD SHEET LAYER COATING ON ONE SIDE FOR THE SCREENING OF X-RAY ROOMS

CE MARKED PRODUCT

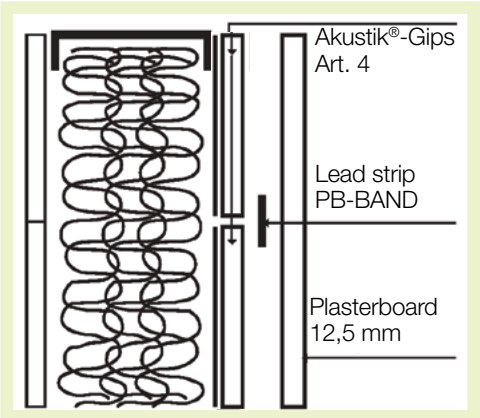
TECHNICAL CHARACTERISTICS

- **Reaction to fire:** B-s1, d0

COMPOSITION



ASSEMBLY DIAGRAM FROM ABOVE



SPECIAL PLASTERBOARDS AND DRY CONSTRUCTION BOARDS

AKUSTIK® - GIPS C1

PLASTERBOARD PANEL COUPLED ON ONE SIDE WITH A POLYURETHANE AGGLOMERATE PANEL FOR THERMAL AND ACOUSTIC INSULATION IN COUNTER-CLADDING

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Reaction to fire:** Plasterboard A2-s1, d0;
  Akustik® C1 euroclass E
- **Sound insulation values:** Rw from 54 dB to 59 dB, depending on the construction system.

COMPOSITION

Double-layer product composed by:

A AKUSTIK C1 10 - 20 mm

B Plasterboard 12,5 mm

MATERIAL

Akustik®-Gips C1 is a plasterboard panel, covered on one side with a AKUSTIK C1 panel in polyurethane agglomerate, density 120 Kg/m^3, with excellent Acoustic absorption and thermal insulation characteristics.

FIELDS OF APPLICATION

Akustik®-Gips C1 allows thermal and acoustic insulation work in counter-cladding on existing walls in residential and commercial buildings.

INSTALLATION

Easy to apply with FORTECEM dB+ adhesive mortar on masonry partition walls.

The product can also be installed through screwing onto false walls and false ceilings with a high soundproofing power.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000 mm

Thickness: 23 mm, (approx.) 33 mm. Other on request.

AKUSTIK® - GIPS ART. 6

MATERIAL

Akustik®-Gips Art. 6 is a special plasterboard combined with two layer of polyethylene on one side with interposed an intermediates layer of 0,50 mm lead. Such a combination allows to realize walls and ceilings with an elevated sound insulating power with reduced thickness.

FIELDS OF APPLICATION

It is widely used for partition walls and false ceilings sound insulation, to increase their insulation allowing a reduction of thickness and realization times.

INSTALLATION

Akustik®-Gips Art. 6 is applied as a normal plasterboard.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000 o 3000 mm

Thickness: 19 mm

PLASTERBOARD WITH A RETICULATED POLYETHYLENE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE LEAD SHEET LAYER COATING ON ONE SIDE

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Sound insulation values:** Certified Rw = 62,0 dB
- **Reaction to fire:** Plasterboard A2-s1, d0; cross-linked polyethylene euroclass F

COMPOSITION

Bilayer product composed by:

A AKUSTIK METAL SLIK ART. 6 (PE/Pb 0,50/PE) 6 mm

B Plasterboard 12,5 mm

SPECIAL PLASTERBOARDS AND DRY CONSTRUCTION BOARDS

AKUSTIK® - GIPS ART. 8

PLASTERBOARD COMBINED ON ONE SIDE WITH A WOOD FIBER PANEL FOR SOUNDPROOFING AND THERMAL INSULATION

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Thermal conductivity coefficient:** <0,043 W/mK
- **Wood fiber density:** 250 Kg/m^3
- **Acoustic absorption:** 0,1 αS 250-500 Hz; 0,3 αS 1-2 kHz
- **Reaction to fire:** Plasterboard A2-s1, d0; Wood fiber euroclass E

COMPOSITION

Bilayer product composed by:

A Wood fiber 19 mm

B Plasterboard 12,5 mm

MATERIAL

Akustik®-Gips Art. 8 is a special plasterboard, with a 12.5 mm thickness, coated on one side with a 19 mm thickness wood fiber panel with a density of 250 Kg/m^3, with excellent thermal insulation and soundproofing characteristics.

FIELDS OF APPLICATION

Akustik®-Gips Art. 8 is widely used for residential and commercial buildings, dry lining on existing walls, wherever it is necessary to combine thermal and soundproofing insulation with reduced thickness.

INSTALLATION

Easily applied with FORTECEM dB+ cement mortar on masonry partitions. It can be cut and shaped like a normal panel of plasterboard.

STANDARD DIMENSIONS

Total thickness: 31,5 mm

Standard measurements: 2000x1200 mm; 3000x1200 mm;

Other thickness upon request.

AKUSTIK® - GIPS ART. 9

MATERIAL

Akustik®-Gips Art. 9 is the special two layer plasterboard with characteristics of sound barrier, soundproof and Thermal insulation, self-supporting, achieved by combining a 20 mm thickness layer of AKUSTIK SOFT, polyester non-toxic thermal bonded fiber, 100% pure, Euroclass B-s2 d0 flame resistance and a 50 Kg/m^3 density changeable along the thickness, and a layer of BA 12,5 plasterboard.

FIELDS OF APPLICATION

The elevated thermal insulation and soundproof characteristics make it an excellent product for the thermal insulation and soundproofing of masonry walls, perimeter walls, dividers between housing, offices or hotel rooms.

INSTALLATION

Akustik®-Gips Art. 9 can be applied with dry lining to existing walls by direct bonding with FORTECEM dB+ cement mortar and mechanical fixings.

STANDARD DIMENSIONS

Total thickness: approx 33 mm

Standard measurements: 2000x1200 mm; 3000x1200 mm.

PLASTERBOARD COMBINED WITH A POLYESTER FIBER PANEL ON ONE SIDE FOR THE THERMAL AND SOUNDPROOFING INSULATION OF WALLS

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Thermal resistance:** 0,62 m^2 K/W
- **Resistance to water vapour diffusion**: Sd = 0,14 m
- **Sound insulation values:** Certified Rw = 58,0 dB
- **Reaction to fire:** Plasterboard A2-s1, d0
  Polyester fiber B-s2, d0

COMPOSITION

Bilayer product composed by:

A Polyester fiber D. 50 Kg/m^3, th. 20 mm

B Plasterboard 12,5 mm

SPECIAL PLASTERBOARDS AND DRY CONSTRUCTION BOARDS

AKUSTIK® - GIPS ART. 10

PLASTERBOARD COMBINED ON ONE SIDE WITH A SPECIAL LAYER OF CENTRIFUGED RUBBER LATEX WITH A POINT SURFACE

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Latex weight:** 3,7 Kg/m^2
- **Acoustic increase:** Rw = 7,0 dB (theoretic value)
- **Reaction to fire:** Plasterboard A2-s1, d0

COMPOSITION

Bilayer product composed by:

A Centrifuged rubber latex 10 mm

B Plasterboard 12,5 mm

MATERIAL

Akustik®-Gips Art. 10 is the special double layer sound barrier plasterboard, self-supporting, achieved by combining a special layer of centrifuged rubber latex with a point surface and a layer of 12,5 mm of thickness plasterboard.

FIELDS OF APPLICATION

Akustik®-Gips Art. 10 is a product made for pasting onto existing vertical structures: with a few centimetres it offers good soundproofing thanks to the special point surface of the latex that allows the separation of the plasterboards from the walls.

INSTALLATION

Akustik®-Gips Art. 10 is applied with FORTECEM dB+ cement mortar and mechanical fixing to existing walls. In order to increase the performance is recommended the application of a second offset panel of FERMASOUND® BASE.

STANDARD DIMENSIONS

Total thickness: approx. 22 mm

Standard measurements: 1200x2000 mm; 1200x3000 mm.

CLIMA- GIPS

MATERIAL

Clima-Gips is the plasterboard coated on one side with a expanded extruded polystyrene panel, with very good heat-insulating properties. The special patterned surface of the paned facilitates the application to walls by using mortar or adhesives.

FIELDS OF APPLICATION

This product is used for the heat insulation treatment of wall and ceilings. It is mainly use for insulation systems, and specially designed to facilitate the anchoring with mortars on existing walls.

INSTALLATION

It can be easily applied as a normal plasterboard on masonry walls through adhesive mortar FORTECEM dB+, and plastic jacket screws.

STANDARD DIMENSIONS

Panels: 3000x1200 mm;

2000x1200 mm;

Thicknesses: 10+20 mm; 10+30 mm; 10+40 mm. Other on request.

PLASTERBOARD COMBINED WITH AN EXPANDED EXTRUDED POLYSTYRENE PANEL FOR HEAT INSULATION MATERIAL

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Compression set:** 10% thickness 20 and 30 mm = 320 K Pa
- **Water absorbance:** 1,0% per volume
- **Steam permeability:** μ 100
- **Temperature resistance:** -65° C / +75°C
- **Conductivity coefficient:** λ 0,032 W/mK
- **Reaction to fire:** Plasterboard A2-s1, d0 expanded extruded polystyrene E

COMPOSITION

Bilayer product composed by:

A Expanded extruded polystyrene 20-30-40 mm

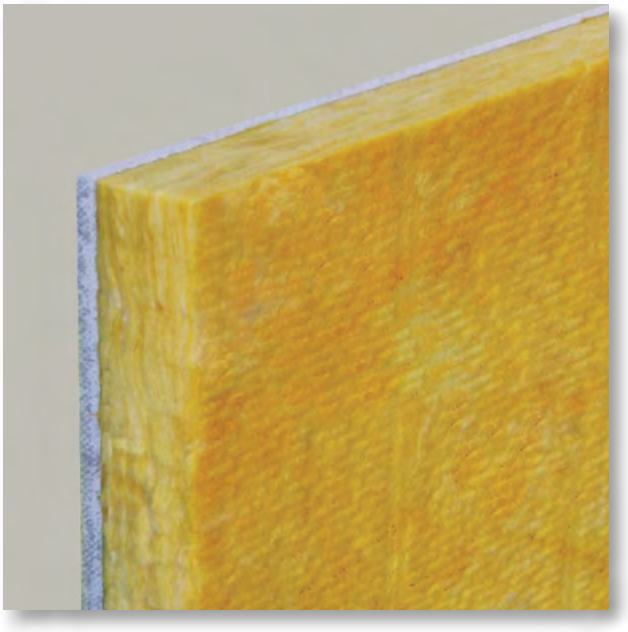
B Plasterboard 12,5 mm

SPECIAL PLASTERBOARDS AND DRY CONSTRUCTION BOARDS

TERMOGIPS

PLASTERBOARD COMBINED WITH A FIBERGLASS PANEL FOR SOUNDPROOFING AND THERMAL INSULATION

CE MARKED PRODUCT



TECHNICAL CHARACTERISTICS

- **Thermal conductivity of the plasterboard:** λD = 0,25 W/mK
- **Thermal conductivity of the fiberglass:** λD = 0,031 W/mK
- **Specific heat:** 0,2 kcal/Kg °C
- **Fiberglass density:** 85 Kg/m^3 from 20 to 40 mm thickness
- **Sound insulation value:** Rw = 52,0 dB (Theoretical value)
- **Reaction to fire:** Plasterboard A2-s1, d0
  fiberglass A2-s1, d0

COMPOSITION

Bilayer product composed by:

A Fiberglass D. 85 Kg/m^3 from 20 to 40 mm

B Plasterboard 12,5 mm

MATERIAL

Termogips is a special double layer plasterboard, thermal insulating, sound-proofing, self-supporting, achieved by combining a layer of fiberglass, of variable thickness, and a 12,5 mm plasterboard.

FIELDS OF APPLICATION

Termogips is used as thermal insulation and soundproofing for dry lining installations on existing walls, exterior walls, dividers between housing, etc.

INSTALLATION

Termogips is installed using FORTECEM dB+ cement mortar to existing walls and mechanical fixings.

STANDARD DIMENSIONS

Drywall thickness: 12,5 mm

Fiberglass thickness: from 20 to 40 mm

Standard measurements: 1200 x 2000 mm; 1200 x 3000 mm.

FERMASOUND® BASE

MATERIAL

Fermasound® Base is a 12.5 mm thick gypsum fiber board with a high level of stability and a surface weight of 15 Kg/m^2. The homogeneous structure of the board, fully reinforced with fiber, makes the board very resistant to consistent knocks or impacts.

FIELDS OF APPLICATION

Fermasound® Base boards can be applied to all standard metal or wood dry construction systems. The board provides excellent soundproofing and thermal insulation and, thanks to the hydrophobe characteristics, it is suitable for moist environments such as bathrooms, kitchens, etc.

INSTALLATION

The installation of the boards is achieved using special self-tapping screws or with staples (for wooden substructures). The board junctions are achieved using a special sealant supplied on request.

Fermasound® Base is a board ready for various types of finishings without additional treatments: wallpaper and tiles can be applied directly to the board (consult our technical office for more information).

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000 mm

Thickness: 12,5 mm

SPECIAL GYPSUM FIBER BOARD THOUGHT TO COMBINE THE ADVANTAGE OF MASONRY WALL CONSTRUCTION TO THOSE TYPICAL OF DRY CONSTRUCTION

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Nominal density:** 1150±50 Kg/m^3
- **Resistance factor to water vapour diffusion:** μ 13
- **Brinell hardness:** 30 N/mm^2
- **Thermal conductivity:** λ 0,032 W/mK
- **Thermal expansion coefficient:** 0,001 % K
- **Humidity compensation at 20°C following a variation of 30% of the relative humidity** 0,25 mm/m
- **Humidity compensation at 20°C and relevant humidity of 65%** 1,3%
- **Value pH** 7-8
- **Reaction to fire:** A2-s1, d0

FERMASOUND® ART. 2

SPECIAL GYPSUM FIBER BOARD WITH A 12,5 MM THICKNESS AND WEIGHT OF 15 KG/M² COMBINED WITH AN EPDM TECSOUND® HIGH MASS LAYER OF 5,5 KG/M²

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Nominal density:** 1150±50 Kg/m³
- **Resistance factor to water vapour diffusion:** μ 13
- **Brinell hardness:** 30 N/mm²
- **Thermal conductivity:** λ 0,032 W/mK
- **Sound insulation values:** Certified Rw = 65,0 dB
- **Reaction to fire:** Fermasound A2-s1, d0
  EPDM B-s2, d0

COMPOSITION

Bilayer product composed by:

A EPDM 2 mm, 5,5 Kg/m²

B Gypsum fiber board 12,5 mm

MATERIAL

Fermasound Art. 2 is a special soundproof board for hotels, schools and hospitals, made of gypsum fiber covered on one side with a high density mass layer of EPDM TECSOUND® with low elastic modules and a total weight of 20.5 Kg/m². Product completely bitumen free.

FIELDS OF APPLICATION

Fermasound Art. 2 is widely used in partitions and drywall ceilings, in order to increase the soundproofing, and it is also ideal for moist environments. Furthermore, given its high level of resistance to knocks and its high level of soundproofing it is the ideal board for hotels, hospitals, schools.

INSTALLATION

Fermasound Art.2 is fixed to metallic structure with special self-tapping screws for gypsum fiber. The board junctions are achieved using a special sealant for gypsum fiber, supplied on request. For walls the recommended distance of the mounting points is 25 cm, while for ceilings and attics it is 20 cm.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000 mm

Thickness: approx. 15 mm

FERMASOUND® ART. 3

MATERIAL

Fermasound® Art. 3 is a special soundproof panel made with a 12.5 mm thickness gypsum fiber panel with a high level of stability, mechanical resistance and excellent flame and water (hydro) resistance characteristics, combined with an Ecorubber® high density vulcanised agglomerated rubber with a thickness of 20 mm and surface weight of 15 Kg/m^2, soundproof and anti-vibration. Each board has a total surface weight of 30 Kg/m^2.

FIELDS OF APPLICATION

Fermasound® Art. 3 is widely used in partitions and drywall ceilings, where a high level of soundproofing and anti-vibration effect is required. Thanks to the waterproof and fire resistant characteristics Fermasound® Art. 3 is the ideal board for moist environments.

INSTALLATION

Fermasound® Art. 3 can be installed on metal trusses or wooden rods with special self-tapping screws for gypsum fiber or installed directly with dry lining on an existing wall using FORTECEM dB+ cement mortar. The board junctions are achieved using a special sealant for gypsum fiber supplied on request. In the case of application of metallic or wooden trusses to a wall, the recommended mounting point between the screws is 25 cm, while for ceilings and attics it is 20 cm.

THE SPECIAL 12.5 MM THICKNESS GYPSUM BOARD WITH A WEIGHT OF 15 KG/M^2 COMBINED WITH AN ECORUBBER® PANEL COATING ON ONE SIDE OF 750 KG/M^3, SOUNDPROOF AND ANTI-VIBRATION

CE MARKED PRODUCT

STANDARD DIMENSIONS

Width: 1200 mm - **Length:** 2000 mm -
Thickness: 17 - 23 - 33 mm

TECHNICAL CHARACTERISTICS

- **Nominal density:** 1150±50 Kg/m^3
- **Resistance factor to water vapour diffusion:** μ 13
- **Brinell hardness:** 30 N/mm^2
- **Thermal conductivity:** λ 0,032 W/mK
- **Thermal expansion coefficient:** 0,001 % K
- **Reaction to fire:** Fermasound A2-s1, d0

COMPOSITION

Bilayer product composed by:

A ECORUBBER 20 mm (TOP) - 10 mm (MEDIUM) - 5 mm (SLIM)

B Gypsum fiber board 12,5 mm

SUPREMA® - CEMENT BOARD

SUPREMA® IS THE CEMENT BOARD IN PORTLAND CEMENT REINFORCED WITH FIBERGLASS MESH FOR INTERNAL AND EXTERIOR USE

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Dimensions:** mm 2000/2400x1200
- **Weight:** 15 Kg/m²
- **Thermal conductivity:** 0,174 W/mK
- **Flexural strength:** 6,210 N/mm
- **Compressive strength:** 15,16 N/mm
- **Water absorption (after 24 h):** < 8,4 %
- **Linear variation:** 0,07%
- **Fungus resistance:** no growth
- **Resistance to mold:** no growth
- **Reaction to fire:** Euroclass A1 to UNI EN 13501-1

MATERIAL

SUPREMA® cement board is a mixture of Portland cement and lightweight aggregate with a special fiberglass mesh with a mass of approximately 15 Kg/m².

FIELDS OF APPLICATION

SUPREMA® cement board can be used for interior and exterior applications. It can be installed vertically or horizontally on walls, ceilings, floors. It can be also applied under ceramic tiles on dry-system screed and even in wet places such as swimming pools, bathrooms, kitchens.

INSTALLATION

SUPREMA® Cement Board can be easily cut and shaped using a normal cutter: follow the fiberglass line on one surface, break the border and cut on the other surface. For shape cuts and precision ones, like boundary of frame, it must be used a saw. It must be installed with proper metallic profiles hardware according to the application.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000, 2400 mm

Thickness: 12,5 mm

SUPREMA® - FLEX

MATERIAL

SUPREMA® FLEX cement board is a mixture of Portland cement and lightweight aggregate with a special fiberglass mesh with a mass of approximately 9 Kg/m².

FIELDS OF APPLICATION

The SUPREMA® FLEX is applied where is required the possibility of the curvature of the slab, to coat curvilinear elements present in exterior facades, for the construction of floors, walls and ceilings in wet environments (kitchens, bathrooms, spas), for the lining of tunnels and galleries.

INSTALLATION

SUPREMA® Flex can be easily cut and shaped using a normal cutter: follow the fiberglass line on one surface, break the border and cut on the other surface. For shape cuts and precision ones, like boundary of frame, it must be used a saw. It must be installed with proper metallic profiles hardware according to the application.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000/2400 mm

Thickness: approx. 8 mm

SUPREMA® CEMENT BOARD FLEX IS THE FLEXIBLE CEMENT BOARD FOR ARCHS, WINDOWS, COLUMS AND EVERY ROUND SURFACE, FOR INTERNAL AND OUT-DOOR INSTALLATIONS.

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Weight:** approximately 9 Kg/m²
- **Bending radius:** less than 0,90 m
- **Flexural strength:** 1400 PSI
- **Reaction to fire:** Euroclass A1 to UNI EN 13501-1

SPECIAL PLASTERBOARDS AND DRY CONSTRUCTION BOARDS

SOUND INSULATORS

SUPREMA® - ART. 2

SPECIAL BOARD IN PORTLAND CEMENT REINFORCED WITH INERT MINERAL AND BY A SPECIAL NETWORK FIBER GLASS, COATED ON ONE SIDE WITH A HIGH DENSITY MASS IN EPDM TECSOUND®

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Dimensions:** 2000/2400x1200 mm
- **Weight:** 20,5 Kg/m^2
- **Sound insulation values:** Rw = 38,0 dB (theoretical)
- **Reaction to fire:** Suprema euroclass A1 to UNI EN13501-1, EPDM B-s2, d0

COMPOSITION

Bilayer product composed by:

A EPDM 2 mm, 5,5 Kg/m^2

B Suprema cement board 12,5 mm

MATERIAL

The SUPREMA Art. 2 is the special board in portland cement reinforced with inert mineral and by a special network fiber glass, coated on one side with a high density mass in EPDM Tecsound who has a low elastic modulus. Product completely bitumen free.

FIELDS OF APPLICATION

SUPREMA Art. 2 can be applied both indoors and outdoors, for vertical or horizontal application on walls, ceilings and floors, in order to increase the acoustic insulation with the advantages of a reduction of the thickness and the construction times.

INSTALLATION

SUPREMA Art. 2 can be easily cut and shaped using a simple CUTTER. It has to be installed and secured with proper metallic profiles hardware according to the different applications, as a simple cement board.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000 o 2400 mm

Thickness: approx. 15 mm

SUPREMA® CLIMA

MATERIAL

The SUPREMA CLIMA is the special board in portland cement reinforced with inert mineral and by a special network fiber glass, coated on one side with a expanded extruded polystyrene panel, with very good heat-insulating properties. The special patterned surface of the panel facilitates the application to walls by using mortar or adhesives.

FIELDS OF APPLICATION

It can be applied both indoors and outdoors, for vertical or horizontal application on walls, ceilings and floors. It is mainly used in the insulation system and designed for an easy application with mortar on existing walls. It can also be applied in wet areas such as swimming pools, spas, kitchens.

INSTALLATION

The product can be easily cut and shaped with the use of a normal cutter. It can be easily applied on the existing wall with adhesive mortar and plastic jacked screws. Outside the finishing system is the same of the cement board.

STANDARD DIMENSIONS

Plates: mm 2000 x 1200

Thicknesses: 12,5 + 20 mm; 12,5 + 30 mm; 12,5 + 40 mm; 12,5 + 50 mm. Others on request

THE SPECIAL PORTLAND CEMENT BOARD REINFORCED WITH MINERAL AGGREGATE AND BY A SPECIAL NETWORK FIBERGLASS PRE-COUPLED WITH AN EXPANDED EXTRUDED POLYSTYRENE PANEL FOR INTERIOR AND EXTERIOR

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Water absorption:** polystyrene expanded extruded 1,0% by volume
- **Vapor permeability:** polystyrene expanded extruded μ 100
- **Conductivity coefficient:**
  th. 20 mm and 30 mm: 0,032 W/mK
  th. 40 mm: 0,033 W/mK
  th. 50 mm: 0,034 W/mK
- **Temperature resistance:** -65° C / + 75°C
- **Reaction to fire:** Suprema euroclass A1
  polystyrene expanded extruded euroclass E

COMPOSITION

Bilayer product composed by:

A Polystyrene expanded extruded 20 - 30 - 40 - 50 mm

B Suprema Cement Board 12,5 mm

AKUSTIK® - ONE

THREE-LAYERS SOUND-INSULATING AND SELF-SUPPORTING PANEL WITH PROTECTIVE ENVELOPE

CE MARKED PRODUCT

STANDARD DIMENSIONS

Width: 1000 mm

Length: 600 mm

Thickness: 35 mm

Dimensions tolerance: to DIN 7715, Part 2

TECHNICAL CHARACTERISTICS

- **Sound insulation values (panel itself):** Certified Rw = 30,0 dB
- **Sound insulation values (between two 8 cm hollow bricks):** Certified Rw = 58,0 dB
- **Weight:** 10 Kg/m^2
- **Dimensions:** 1000x600 mm
- **Thickness:** 35 mm
- **Thermal conductivity:** W/mK 0,036

MATERIAL

Akustik® One is the panel made up of EPDM rubber mass placed between a fiberglass layer (density 85 Kg/m^3) and an agglomerated polyurethane layer (density 120 Kg/m^3).

This product is equipped with a protective envelope, its total weight is 10 Kg/m^2 and it has a 35 mm thickness. Product completely bitumen free.

FIELDS OF APPLICATION

L'Akustik® One is an excellent sound-insulating material that is largely used for partitions walls, both in masonry and in plasterboard and for any kind of false ceiling in order to decrease the noise caused by the structures with little mass. Furthermore, Akustik® One is also a good heat-insulating material.

INSTALLATION

Akustik® One is a soundinsulating panel fast and easy to be installed. This product is kept clean from a protective envelope that turns Akustik® One into a handy and resistant material as far as maintenance and installation are concerned. Akustik® One must be installed in between an existent wall and a second wall built up in contact with the panel, just placed without fixings, or alternatively fixed with plastic-jacket screws or glued, always taking care of the continuity of the panels and avoiding spaces left uncovered by the material. It can be sealed using AKUSTIK BAND. It can be easily cut and it is possible to install it without its plastic envelope.

Once installed, a second wall can be built up in contact in hollow bricks.

AKUSTIK® - WOOD

MATERIAL

Akustik®Wood is the combination of a polyester fiber layer (density 30 Kg/m^3) placed between two panels of pressed wood fiber (250 Kg/m^3), with a total weight of 5,2 Kg/m^2 and a total thickness of 40 mm.

FIELDS OF APPLICATION

L'Akustik®Wood is largely used for masonry partition walls, wherever both thermal and sound insulation are required, with excellent performances on sound insulation and acoustic absorption. Akustik® -Wood is mainly employed for external walls or partition walls between two apartments.

INSTALLATION

Akustik®Wood must be installed in between two walls boards with the utmost care, paying attention to the continuity of the panel. The panel can be fixed using FORTECEM dB+ cement mortar and sealing the joints using AKUSTIK BAND. Once the installation has been completed it is possible to proceed with building a second perforated brick cladding wall.

HARD-ELASTIC SELF-SUPPORTING PANEL FOR HEAT, SOUND INSULATION AND ACOUSTIC ABSORPTION

CE MARKED PRODUCT

STANDARD DIMENSIONS

Width: 1400 mm; **Length:** 600 mm; **Thickness:** 40 mm, on request even 44 mm. **Dimensions tolerance:** to DIN 7715, Part 2.

TECHNICAL CHARACTERISTICS

- **Sound insulation values (between two 8 cm hollow bricks):** Rw = 64,0 dB with 3 coats
- **Sound insulation values (panel itself):** Rw = 32,0 dB (theoretical)
- **Weight:** 5,2 Kg/m^2
- **Transmittance pressed wood fiber:** 0,044 W/mK; **polyester fiber:** 0,045 Kcal/HMC
- **Reaction to fire:** wood board euroclass E, Polyester fiber B-s2, d0

COMPOSITION

Try-layer product composed by:

A Wood fiber panels D. 250 Kg/m^3, 10 mm

B Polyester fiber D. 30 Kg/m^3, 20 mm

C Wood fiber panels D. 250 Kg/m^3, 10 mm

SOUND INSULATION FOR WALLING PARTITIONS

PARET-ONE®

PARET - ONE® IS THE TRIPLE LAYER PRODUCT FOR INSULATION OF VERTICAL WALLS BETWEEN HOUSING UNITS

CE MARKED PRODUCT

TECHNICAL CHARACTERISTICS

- **Weight:** 16 Kg/m^2
- **Thermal conductivity:**
  - wood fiber layer with thickness of 19 mm, density 250 Kg/m^3: λ 0,044 W/mK
  - layer plasterboard 12,5 mm: λ 0,21 W/mK
  - fiberglass layer with thickness 20 mm, density 85 Kg/m^3: λ 0,042 W/mK
- **Soundproofing:**
  - theoretical data with the product in a gap between two 8 cm holes and one layer coat of 15 mm per side: Rw 60 dB
  - data surveyed on the work site with the product in a gap between 12 cm holes without interior or exterior coat, rough construction, and 8 cm holes, with coat but with various kitchen plant designs (electrical outlets, plumbing, drains, etc.) Rw 54 dB
- **Reaction to fire:** Wood fiber panel euroclass E, Plasterboard A2-s1, d0, Fiberglass A2-s1, d0

COMPOSITION Try-layer product composed by:

A Wood fiber panel D. 250 Kg/m^3, 19 mm
B Plasterboard 12,5 mm
C Fiberglass D. 85 Kg/m^3, 20 mm

MATERIAL

Paret-One® is a try-layer product, achieved by combining a layer of wood fiber, a layer of plasterboard and a layer of fiberglass.

FIELDS OF APPLICATION

It is widely used in partitions, where a high level of soundproofing together with good thermal insulation characteristics is required. The high level of soundproofing characteristics of the product make it the best choice for divisor walls between housing units.

INSTALLATION

Paret-One® boards have to be installed with the utmost care, paying attention to the continuity of the panel. Paret-One® is installed by bonding to the existing walling, fastened using FORTECEM dB+ cement mortar. Once the installation has been completed it is possible to proceed with building a second perforated brick cladding wall.

STANDARD DIMENSIONS

Width: 1200 mm

Length: 2000 mm

Thickness: 52 mm

WOOD-BOARD

MATERIAL

Wood-Board is the ecological board made with pressed wood fiber, density 250 Kg/m^3, toxic substances free.

FIELDS OF APPLICATION

Wood-Board is widely used as thermal and soundproofing wall insulation in gaps or on the ceiling.

INSTALLATION

The Wood-Board board is mounted with FORTECEM dB+ cement mortar and sealed onto junctions with Akustik® Band. It is easily shaped on site.

STANDARD DIMENSIONS

Width: mm 1200

Length: mm 2500
By request 2000 mm e 3000 mm

Thickness: mm 19

Dimensional tolerances: pursuant to DIN 7715 Part 2.

WOOD FIBER BOARD FOR THERMAL AND SOUNDPROOFING INSULATION

CE MARKED PRODUCT

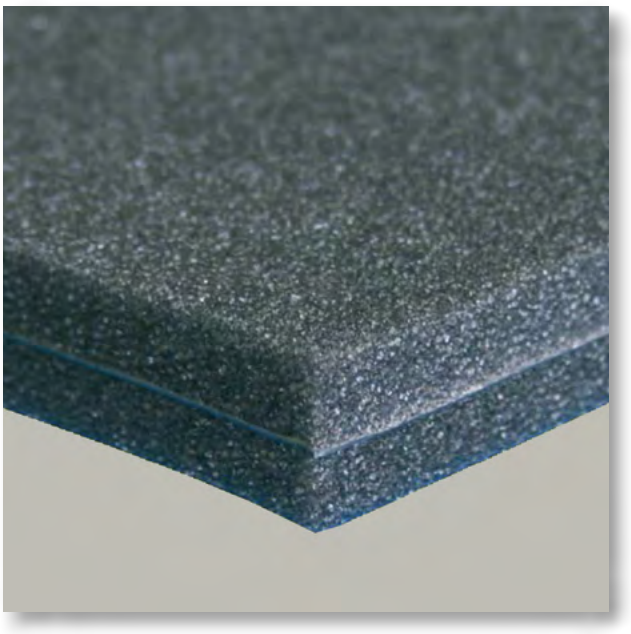
TECHNICAL CHARACTERISTICS

- **Usable thermal conductivity:** λ 0,044 W/mK
- **Resistance to water vapour diffusion:** μ= 5
- **Density:** 250 Kg/m^3
- **Humidity:** ≤ 12%
- **Reaction to fire:** euroclass E

LEAD AND EPDM INSULATION

AKUSTIK® - METAL SLIK ART. 1

POLYURETHANE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE LEAD SHEET LAYER



STANDARD DIMENSIONS

Panels: mm 1000 x 1000; mm 1000 x 3000

Thickness: mm 20 - 30 - 40. Other on request.

TECHNICAL CHARACTERISTICS

- **Polyurethane density:** 35 Kg/m^3
- **Lead thickness:** 0,35 / 0,50 mm
- **Sound insulation values:** Certified Rw = 29,0 dB
- **Reaction to fire:** polyurethane HF1 (to UL94)

COMPOSITION

Try-layer product composed by:

A Flat 10 , 20 or 30 mm thick polyurethane

B Lead 0,35, 0,50 mm

C Flat 10 , 20 or 30 mm thick polyurethane

MATERIAL

Combination of two layers of polyester-based polyurethane foam, density 35 Kg/m^3 separated by a lead sheet with 0,35/0,50 mm thickness to absorb medium and low frequencies. Resistant to temperatures from -10°C to +90°C.

FIELDS OF APPLICATION

Used for sound insulated walls where the reflecting power of lead needs to be combined with a certain absorption power of the polyurethane. Insulation of spaces, engine housings, partition walls, ceilings, machinery garages, compartment linings, etc. Whenever protection from external agents such as oil, grease, dust, and water is required, the panel can be supplied in versions with a protective film applied to the surface.

INSTALLATION

Using NDA KOLL adhesive on the flat and curved surfaces of any kind, provided they are free of dust, oil and grease. In the case of ceiling applications the use of special fixing devices is recommended. The product can also be supplied with self-adhesive surfaces to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

AKUSTIK® - METAL SLIK ART. 5

MATERIAL

Akustik® Metal slik Art. 5 is the combination one layer of polyester-based and expanded polyurethane foam and one layer of cross-linked polyethylene foam, separated by a 0,35-0,50 mm lead sheet, specific for the acoustic insulation of the pipes.

FIELDS OF APPLICATION

Thanks to its extreme flexibility and malleability, Akustik® Metal slik Art. 5 is specific for sound insulation of piping, ducts, engine rooms, machinery, conduits in general. Whenever protection from external agents such as oil, grease, dust and water is required, the panel can be supplied with a protective film applied to the surface.

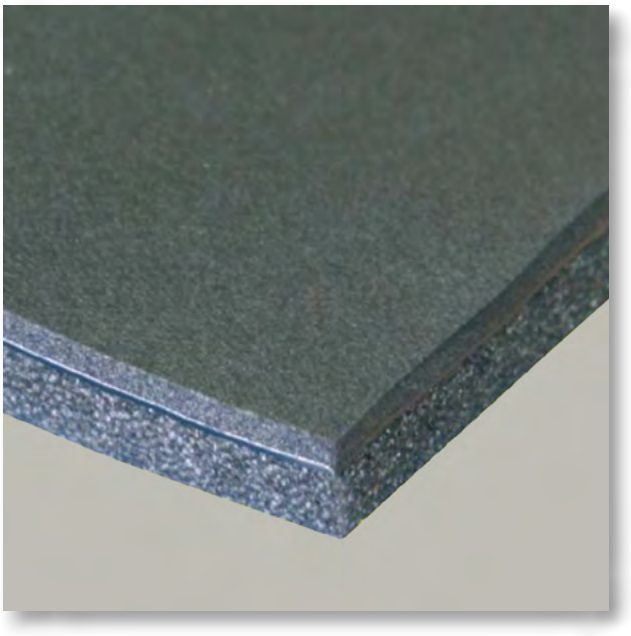
INSTALLATION

The product can be easily cut and shaped. For pipes insulations, place the polyurethane surface (the thicker one) on the pipe. If necessary, use adhesive NDA KOLL on flat or curved surfaces, provided they are free of dust, oil and grease. For ceiling or walls installation, we recommend the use of mechanical fixing.

The product can also be supplied with self-adhesive surface to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

THE SOUND-ABSORBING PANEL IN CROSS-LINKED POLYETHYLENE AND EXPANDED POLYURETHANE WITH INTERMEDIATE LEAD LAYER



STANDARD DIMENSIONS

Length: mm 2000**; Width:** mm 1000

Thickness: mm 13 (10+3); mm 23 (20+3)

Other dimensions on request

Dimensions tolerance: to M4 DIN 7715, Part 2.

TECHNICAL CHARACTERISTICS

- **Polyurethane density:** 35 Kg/m^3
- **Cross-linked polyethylene density:** 30 Kg/m^3
- **Lead thickness:** 0,35 / 0,50 mm
- **Sound insulation values:** Certified Rw = 27,0 dB
- **Reaction to fire:** euroclass E, E_{fl} to EN 13501-1: 2009

COMPOSITION

Try-layer product composed by:

A Cross-linked polyethilene 3 mm

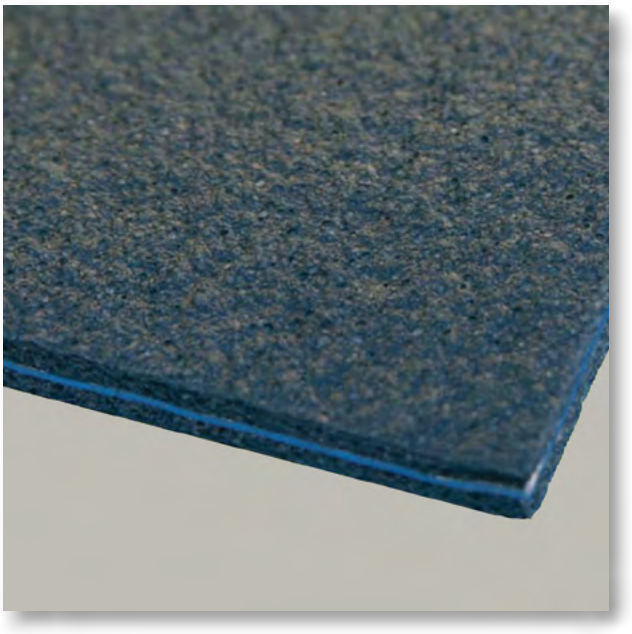
B Lead 0,35, 0,50 mm

C Flat polyurethane10, 20 mm

LEAD AND EPDM INSULATION

AKUSTIK® - METAL SLIK ART. 6

CROSS-LINKED POLYETHYLENE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE LEAD SHEET LAYER



STANDARD DIMENSIONS

Length: mm 3000; **Width:** mm 1000; **Thickness:** mm 6

Other thicknesses and formats available on request.

Dimensions tolerance: to M4 DIN 7715, Part 2.

TECHNICAL CHARACTERISTICS

- **Cross-linked polyethylene density:** 30 Kg/m^3
- **Lead thickness:** 0,35 / 0,50 mm
- **Sound insulation values:** Certified Rw = 27,5 dB
- **Reaction to fire:** cross-linked polyethylene euroclass F

COMPOSITION

Try-layer product composed by:

A Cross-linked polyethilene 3 mm

B Lead 0,35, 0,50 mm

C Cross-linked polyethilene 3 mm

MATERIAL

Combination of two layers of impermeable cross-linked polyethylene foam separated by a 0.35 - 0.50 mm thick lead sheet to absorb low and high frequencies.

FIELDS OF APPLICATION

Insulation of rooms, engine compartments, piping, floors, partition walls, machinery, conduits in general. Recommended in particular when water or oil particles, etc are present in the vicinity of the panel. Suitable for use as under flooring in civil constructions when it is desired to prevent sound entering or leaving a given environment. Whenever the technical specification calls for greater protection from external agents such as oil and grease etc., the product can be supplied with a protective film applied to the surface. The anti-vibration layers consist of highly flexible foam with high resistance to compression.

INSTALLATION

Use NDA KOLL glue on flat and curved surfaces of any kind (free of dust, oil and grease). The product can also be supplied with self-adhesive surface to facilitate application.The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

AKUSTIK® - GPB

MATERIAL

Akustik®-GPB is an high density mass, the result of a mix of inert plasticizer elastomerics (EPDM) whose granules are of variable dimensions; it doesn't contain either lead or bitumen, it is an non-toxic and odourless material. Resistant to high and low temperatures -30°C + 120°C.

FIELDS OF APPLICATION

Akustik®-GPB, thanks to his high density and his elasticity, is an excellent sound-insulating and antivibration material. It is largely used to build up barriers with a high sound insulation power and therefore, it is installed where screening or noise-abating systems are required: communicating rooms, flooring, ceilings, walls and industrial encapsulations. This product can be easily applied between two plasterboards to avoid vibrations and increase insulation.

INSTALLATION

Akustik®-GPB is supplied in rolls, its elasticity allows it to be cut and shaped very easily. It can be applied to any surface, provided that it is smooth and free of grease, oil or dust, using NDA KOLL glue. For ceiling installation, we recommend the use of mechanical fixing.

The product can also be supplied with self-adhesive surface to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

SOUND-INSULATING AND NOISE-ABATING PRODUCT MADE OF HIGH DENSITY EPDM

STANDARD DIMENSIONS

Width: 1000 or 1200 mm

Length: 25/30 m

Thickness: approx. 2 and 2,5 mm

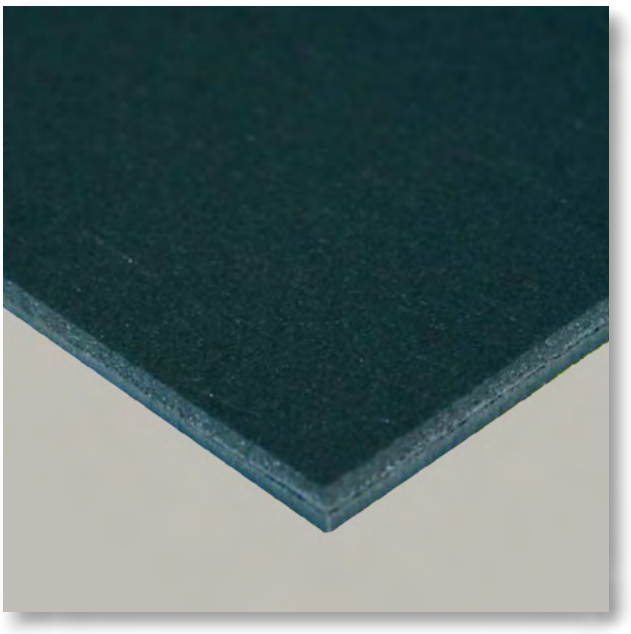
TECHNICAL CHARACTERISTICS

- **Material:** Inert plasticizer elastomeric-based mix EPDM
- **Weight:** 4 and 5,5 Kg/m^2
- **Resistance to temperature:** - 20 + 120° C
- **Surface appearance:** smooth
- **Basic color:** black
- **Hardness:** 78 ± 5 Shore
- **Resistance to traction:** > 75 N/cm^2
- **Thickness allowance:** ± 10%
- **Reaction to fire:** B-s3, d0

LEAD AND EPDM INSULATION

AKUSTIK® - PLUS

SOUND-INSULATING AND NOISE-ABATING (RUMBLE, FOOTFALLS, ETC.) PRODUCT IN EXPANDED CROSS-LINKED POLYETHYLENE WITH CLOSED CELL STRUCTURE, COMBINED WITH A HIGH-DENSITY GUM MASS



STANDARD DIMENSIONS

Width: mm 1000

Length: mm 5000

TECHNICAL CHARACTERISTICS

- **Polyethilene density:** 30 Kg/m^3
- **EPDM mass:** 4 or 5,5 Kg/m^2
- **Reaction to fire:** EPDM B-s3, d0; polyethylene F

COMPOSITION

Bilayer product composed by:

A EPDM 2 mm, 4 or 5,5 Kg/m^2

B Cross-linked polyethilene 3 mm

MATERIAL

Akustik®-Plus is the expanded cross-linked polyethylene with closed cell structure, combined with a soundinsulating and vibration-abating gum mass. Thanks to this stratification we obtained a flexible material with a reduced thickness, a very big mass and an excellent acoustical insulation. Product completely bitumen free.

FIELDS OF APPLICATION

Akustik®-Plus is widely used in housing and commercial construction, for sound insulation treatment of walls, ceilings, piping systems and flooring; in the industrial sector for engine compartment linings and boxes. It is also used as noiseabating material for floating floors (footfalls and transmission of noises from impact); furthermore, it increases the heat-insulating.

INSTALLATION

For flooring it can be simply laid down, while for walls and ceilings NDA KOLL glue is required. To fix it permanently the use of specific fixings is recommended. Akustik® Plus can be supplied with one self-adhesive side to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

AKUSTIK® - GUM SLIK ART. 1

MATERIAL

Akustik®-Gum Slik consists of a combination of two layers of polyester-based open-cell polyurethane foam, density 35 Kg/m^3, separated by special charged thermoplastic polymers (EPDM) from 4 to 5,5 Kg/ m^2. Resistant to temperatures from -10°C to +90°C. Product completely bitumen free.

FIELDS OF APPLICATION

Akustik®-Gum Slik is widely used for the sound insulation of fixed or moveable walls, ceilings, the walls of soundproofed machinery cabins, and in all other cases of noise shielding and reduction of noise between communicating environments. Whenever special protection from external agents is required the product can be supplied with a protective film applied to the surface.

INSTALLATION

The material is in sheets or rolls and can be cut and shaped very easily. It can be applied to any surface, even curved provided that it is smooth and free of dust, oil or grease using NDA KOLL glue. For ceiling installation, we recommend the use of mechanical fixing.

The product can also be supplied with self-adhesive surface to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

POLYURETHANE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE EPDM LAYER

STANDARD DIMENSIONS

Width: 1000 mm; **Length:** mm 1000 or 3000

Thickness: 20-25-30-40. Other dimensions on request.

TECHNICAL CHARACTERISTICS

- **Material:** open cell polyester-based polyurethane foam
- **Density:** 35 Kg/m^3
- **Thermal conductivity coefficient:** 0,029 W/mK
- **Resistance to temperature:** -10 +90°C
- **Surface appearance:** flat • **Basic color:** dark grey
- **Reaction to fire:** polyurethane HF1 (to UL94); EPDM B- s3, d0.

COMPOSITION

Try-layer product composed by:

A 10 mm th.polyurethane

B EPDM 4 or 5,5 Kg/m^2

C 10 mm th. polyurethane

LEAD AND EPDM INSULATION

AKUSTIK® - GUM SLIK ART. 5

CROSS-LINKED POLYETHYLENE FOAM
AND EXPANDED POLYURETHANE FOAM
WITH INTERMEDIATE EPDM LAYER

STANDARD DIMENSIONS

Width: 1000 mm; **Length:** 2000 mm

Thickness: mm 15 (10+2+3). Other dimensions on request.

Dimensions tolerance: to M4 DIN 7715, Part 2

TECHNICAL CHARACTERISTICS

- **Resistance to temperature:** from - 50 °C to + 110 °C
- **Color:** available with a protective black film
- **Theoretical sound insulation values:** Rw = 26,0 dB
- **Reaction to fire:** EPDM B-s3,d0, polyurethane HF1 (to UL94); polyethylene F

COMPOSITION

Try-layer product composed by:

A Flat polyethylene 3 mm

B EPDM 2 mm 4 Kg/m^2

C Flat polyurethane from 10 mm

MATERIAL

Akustik® Gum Slik Art. 5 is a three-layer product realized with an expanded reticulated polyethylene with closed cell structure, thickness mm 3 (density 33 Kg/m^3) and with a layer of polyester-based open cell polyurethane foam, thickness 10 mm (density 35 Kg/m^3), separated by a layer of EPDM, thickness 2 mm and mass 4 Kg/m^2, for the isolation of low and medium frequencies. Product completely bitumen free.

FIELDS OF APPLICATION

Insulation of pipes, engine compartments, partitions, machinery, pipes in general. Where specific techniques require more protection from oil, grease, etc. the product can be supplied with a protective film.

INSTALLATION

The material can be cut and shaped very easily. In the isolation of the piping the polyurethane side (the thicker one) must be placed in contact with the tube, and then clamped. It can be applied with adhesive NDA KOLL on any kind of flat or curved surfaces, if they are free from dust, oils and fats. In case of application on ceiling and wall, we recommend the use of special fixing devices. The product can also be supplied with self-adhesive surface to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

AKUSTIK® - GUM SLIK ART. 6

MATERIAL

Akustik® Gum Slik Art. 6 is a three-layer product made with two layers of expanded reticulated polyethylene with closed cell structure, thickness mm 3 (density 33 Kg/m^3) separated by a layer of EPDM mass of 2 mm thickness and 4 Kg/m^2, for the isolation of the low and high frequencies. Product completely bitumen free.

FIELDS OF APPLICATION

Insulation of rooms, engines, pipes, floors, partitions, equipment, ducts in general. Particularly indicated in case of presence of particles of water, oil or grease in the vicinity of the panel itself. Suitable as material for civil subfloor, where it must prevent sound exiting or entering in a specific situation. Where it is required more protection from oils or fats, the product can be supplied with a protective film. The layers are made of an anti-vibration foam material with high flexibility and high resistance to compression.

INSTALLATION

It can be applied with adhesive NDA KOLL on any kind of flat or curved surfaces, if they are free from dust, oils and fats. In case of application on ceiling and wall, we recommend the use of special fixing devices. The product can also be supplied with self-adhesive surface to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

CROSS-LINKED POLYETHYLENE FOAM SOUND INSULATING PANEL WITH INTERMEDIATE MASS IN EPDM

STANDARD DIMENSIONS

Width: 1000 mm; **Length:** 3000 mm

Thickness: 8 mm. Other dimensions on request.

Dimensions tolerance: to M4 DIN 7715, Part 2.

TECHNICAL CHARACTERISTICS

- **Color:** available with a protective black film
- **Theoretical sound reduction index:** Rw = 26,0 dB
- **Reaction to fire:** polyethylene F, EPDM B-s3, d0

COMPOSITION

Try-layer product composed by:

A flat polyethylene 3 mm

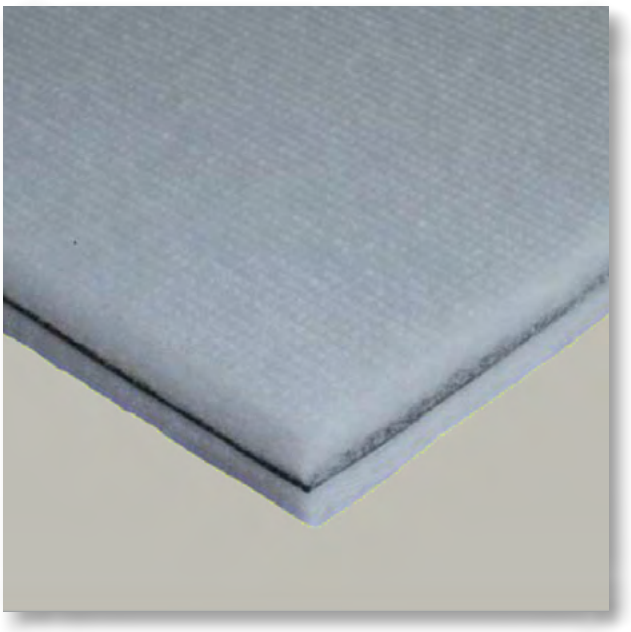
B EPDM 2 mm 4 Kg/m^2

C flat polyethylene 3 mm

LEAD AND EPDM INSULATION

AKUSTIK® GUM SOFT

SOUNDPROOF POLYESTER FIBER PANEL
WITH AN EPDM MASS



STANDARD DIMENSIONS

Width: mm 600

Length: mm 1200

Thickness: mm 40. Other on request.

TECHNICAL CHARACTERISTICS

- **Polyester fiber density:** 30 Kg/m^3
- **EPDM insulation mass:** 4 or 5,5 Kg/m^2
- **Temperature resistance:** +50°C + 120°C
- **Soundproof insulation power (EPDM mass):** Rw = 26,0 dB
- **Reaction to fire:** polyester fiber B-s2, d0; EPDM B-s3, d0

MATERIAL

Akustik® Gum Soft is the soundproof polyester panel combined with an EPDM mass of 4 or 5.5 kg/m^2. Product completely bitumen free.

FIELDS OF APPLICATION

Akustik® Gum Soft, thanks to its physical characteristics and fire resistance of the polyester fiber, is widely used for industrial soundproofing, sound booths, false ceilings, in the ventilation sector, air conditioning, engine compartments, in the automotive industry, and in general in the building sector.

INSTALLATION

The material presents itself in panels. It can be easily cut and shaped. It can be installed using NDA KOLL adhesive on any type of surface providing the same is without dust, oil or grease. In the case of application to a ceiling or wall it is recommended to use special fixing devices. Akustik® Gum Soft can be supplied upon request with an adhesive side to facilitate installation. The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

AKUSTIK® - METAL FOAM

MATERIAL

Akustik®-Metal Foam is the result of the combination of two polyester-based open cell polyurethane layers, density 35 Kg/m^3, with intermediate lead sheet layer (from 0,35 mm to 0,5 mm thick). Resistant to temperatures from -10°C to + 90°C.

FIELDS OF APPLICATION

Akustik®-Metal Foam, thanks to its lead sheet layer, is a very good sound-insulating material and an excellent soundabsorbing product as its special profile increases the acoustical absorption. It is widely used for the sound insulation of engine compartment linings, generator boxes, and compressors, etc.

INSTALLATION

It can be applied to any surface, provided that it is smooth, free of grease, oil or dust using NDA KOLL glue. For the application to ceilings we recommend the use of specific fixings. Akustik® -Metal Foam can be supplied with one self-adhesive side to facilitate application. The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

STANDARD DIMENSIONS

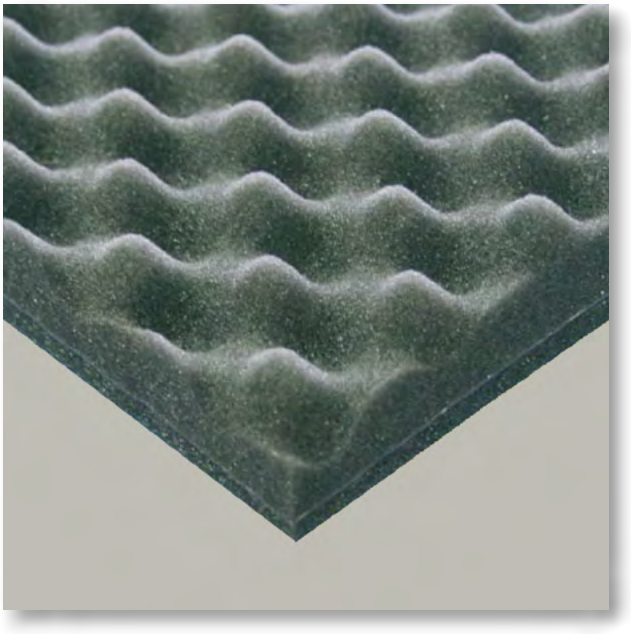
Width: mm 1000

Length: mm 1000 or 3000

Thickness: mm 30 - 40 - 50 - 60 mm

Dimensions tolerance: to DIN 7715 Part 2.

ACOUSTICAL SPECIALLY PROFILED PRODUCT FOR SOUND INSULATION AND ACOUSTIC ABSORPTION MADE OF EXPANDED POLYURETHANE WITH INTERMEDIATE LEAD SHEET LAYER



TECHNICAL CHARACTERISTICS

- **Material:** open cell polyester-based polyurethane foam
- **Density:** 35 Kg/m^3
- **Thermal conductivity coefficient:** 0,029 kcal / mh° C
- **Soundproof insulation power:** Rw = 27,5 dB
- **Thermal resistance:** -10 +90°C
- **Surface appearance:** specially profiled
- **Dimensions:** panels mm 1000 x 1000
- **Thickness:** mm 30 - 40 - 50 - 60
- **Basic color:** dark grey
- **Reaction to fire:** polyurethane HF1 (to UL94)

COMPOSITION

Try-layer product composed by:

A Profiled polyurethane
B Lead sheet layer from 0,35 to 0,50 mm
C Flat Polyurethane

LEAD AND EPDM INSULATION

AKUSTIK® - GUM FOAM

THE SOUND-ABSORBING PROFILED PRODUCT IN EXPANDED POLYURETHANE WITH INTERMEDIATE EPDM LAYER

TECHNICAL CHARACTERISTICS

- **Material:** open-cell polyester-based polyurethane foam
- **Density:** 35 Kg/m^3
- **Thermal conductivity coefficient:** 0,029 Kcal/m h°C
- **Thermal resistance:** -10 +90°C
- **Surface appearance:** profiled
- **Dimensions:** panels mm 1000 x 1000 (other on request)
- **Thickness:** mm 30 - 40 - 60, etc.
- **Basic color:** dark grey
- **Theoretical sound reduction index** Rw = 30,0 dB
- **Reaction to fire:** polyurethane HF1 (to UL94); EPDM B- s3, d0

COMPOSITION

Try-layer product composed by:

A Profiled polyurethane
B EPDM
C Flat polyurethane

MATERIAL

Akustik®-Gum Foam is the combination of two open cell polyurethane polyester-based layers with a density of 35 Kg/m^3, with an EPDM layer variable mass of 4 or 5,5 Kg/m^2; resistant to temperatures from - 10°C to +90°C. Product completely bitumen free.

FIELDS OF APPLICATION

Akustik®-Gum Foam, thanks to its lead sheet layer, is a very good sound-insulating and sound-absorbing product. In fact, its acoustic absorption is increased by its profiled polyurethane. Akustik®-Gum Foam is largely used for the sound insulation of fixed or moveable walls, ceilings, soundproofed machinery cabins, boxes and in general wherever an excellent acoustic absorption is required.

INSTALLATION

The product presents itself in rolls or panels and it can be easily cut and shaped. It can be installed with NDA KOLL glue, on flat and curved surfaces, provided they are free of dust, oil and grease. For the application to ceilings we recommend the use of specific fixings. Akustik®-Gum Foam can be supplied with one self-adhesive side to facilitate application. The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

STANDARD DIMENSIONS

Width: mm 1000

Length: mm 1000 - 2000

Thickness: mm 30 - 40 - 60
Other dimensions on request.

Dimensions tolerance: to DIN 7715 standard, Part 2.

LEAD AND EPDM INSULATION

ISOTEK - METAL SLIK

MATERIAL

Light grey Basotect® (BASF) melamine foam. High resistance to temperatures: +150°C. Isotek-Metal Slik has excellent sound-insulating properties, particularly at low / medium frequencies (100 ÷2000 Hz).

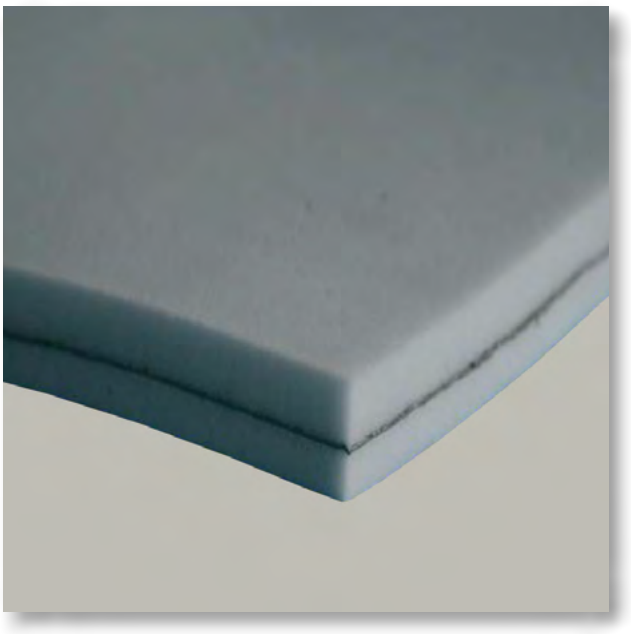
FIELDS OF APPLICATION

Used for sound insulating screening in general: soundproofing of rooms, engines and other compartment linings, partition walls, ceilings, machinery garages, etc. Its fire resistant characteristics allow it to be used where special safety features are required, such as factories, theatres, cinemas, military and civilian firing ranges, hotels, auditoriums, multipurpose halls, etc.

INSTALLATION

Use NDA KOLL glue on flat or curved surfaces of any kind, provided they are free of dust, oil and grease. In the case of ceiling applications the use of special fixing devices is recommended.

THE SOUND-INSULATING PANEL IN BASOTECT® (BASF) MELAMINE FOAM WITH INTERMEDIATE LEAD SHEET LAYER



STANDARD DIMENSIONS

Dimensions: mm 1200 x 600

Dimensions tolerance: to M4 DIN 7715, Part 2

COMPOSITION

Try-layer product composed by:
A Flat Basotect (BASF) melamine foam 10 mm
B Lead 0,50 mm
C Flat Basotect (BASF) melamine foam 10 mm

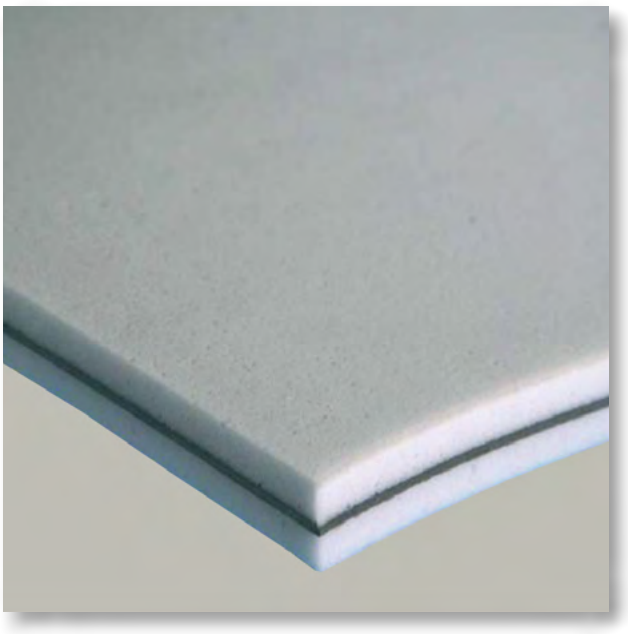
TECHNICAL CHARACTERISTICS

- **Sound insulation values:** Rw = 29,0 dB
- **Reaction to fire:** B-s1, d0

LEAD AND EPDM INSULATION

ISOTEK - GUM SLIK

FLAT BASOTECT® (BASF) MELAMINE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE EPDM LAYER



STANDARD DIMENSIONS

Dimensions: mm 1200 x 600

Thickness: mm 20, 30

Dimensions tolerance: to M4 DIN 7715, Part 2

COMPOSITION

Try-layer product composed by:
A Flat Basotect (BASF) melamine foam 10 mm
B EPDM 4 or 5,5 Kg/m²
C Flat Basotect (BASF) melamine foam 10 - 20 mm

TECHNICAL CHARACTERISTICS

- **Sound insulation values:** Rw = 30,0 dB
- **Reaction to fire:** Basotect (BASF) melamine foam B-s1,d0; EPDM B-s3, d0

MATERIAL

Light grey melamine foam (Basotect® - BASF) with intermediate EPDM layer (5.5 Kg/m²). High resistance to temperatures: +150°C. Isotek Gum Slik is an excellent sound insulating material especially as far as low and medium frequencies are concerned (100 ÷ 2000 Hz). Product completely bitumen free.

FIELDS OF APPLICATION

Used for the sound insulation of walls where the reflecting power of lead needs to be combined with the absorption power of Basotect melamine foam. Thanks to its fire resistance Isotek Gum Slik is installed in places where a specific safety is required: factories, theatres, cinemas, firing grounds, hotels, auditorium, etc. It is also used to insulate rooms, engine and other compartment linings, partition walls, ceilings, machinery, garages, etc.

INSTALLATION

Use adhesive NDA KOLL on flat and curved surfaces, provided they are free of dust, oil and grease. In the case of ceiling applications the use of special fixing devices is recommended.

AKUSTIK® SOUND

MATERIAL

Akustik® Sound is made of a plasterboard panel coupled on one side with a black polyester fibre panel. It is the specific product for acoustic insulation of both perforated and non-perforated modular ceilings; it also helps increase thermal insulation of the ceiling and optimises acoustic absorption.

FIELDS OF APPLICATION

Akustik® Sound is a specific product for thermal and acoustic insulation of modular ceilings. Akustik® Sound considerably reduces the problem of lateral transmission of noise between adjacent rooms with a continuous false ceiling (D_{nfw} 45 dB certified).

INSTALLATION

For soundproofing, it is sufficient to apply Akustik® Sound resting on the modular ceiling with the polyester fibre in contact with it.

STANDARD DIMENSIONS

Panel dimensions: 595x595 mm
Other on request.

Thickness: approx. 30 mm

PLASTERBOARD PANEL COUPLED ON ONE SIDE WITH A POLYESTER FIBRE PANEL FOR ACOUSTIC INSULATION OF MODULAR CEILINGS

TECHNICAL CHARACTERISTICS

- **Sound-absorbing power:** Akustik® Sound panel + perforated modular ceiling with air chamber 250 mm = αS 0,80
- **Lateral soundproofing power:** D_{nfw} 45 dB certified
- **Thermal conductivity:** λ 0,039
- **Soundproofing power:** Rw 29,0 dB certified
- **Fire reaction:** Euroclass B-s2,d0 (Akustik® Soft), Euroclass A2-s1,d0 (plasterboard panel)
- **Akustik Soft toxicity:** the product satisfies the requirements established by Oeko-texR Standard 100
- **Weight:** approx. 7,00 Kg/m²

COMPOSITION

Bilayer product composed by:

A Polyester fibre 20 mm

B Plasterboard 12,5 mm

From page 85 our
CERTIFIED SYSTEMS:

- Bricks and adhered special plasterboards walls
- Counterwalls
- False ceilings
- 5 Star walls
- The silence walls

WITH **APPLICATION RENDERING** AND **CERTIFIED SOUNDPROOFING INSULATION VALUES.**

ANTI-IMPA

ANTI-IMPACT NOISE

Polyethylene

Rubber

Combined textiles

Wall-to-wall bands

Perimeters band

ACT NOISE

PE ESPANSO

MATERIAL

PE ESPANSO is the roll made of not cross-linked polyethylene foam with a density of 20 kg/m³ approx. It is widely used in construction, for thermal and acoustic insulation, or as a separating layer for protection of horizontal and vertical surfaces.

FIELDS OF APPLICATION

It is used as separating layer, it can be used for protection or in floating flooring.

INSTALLATION

Due to its flexibility, the product can be cut and shaped very easily. The product can be supplied with one self-adhesive side to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

POLYETHYLENE EXPANDED ROLL NOT CROSS-LINKED FOR SOUND AND THERMAL INSULATION

STANDARD DIMENSIONS

Density: 20 Kg/m³ approx.

Thickness: 3,5 mm

Rolls: Th. 3 mm: H 1550 mm X L 100 mtl

Th. 5 mm: H 1500 mm X L 100 mtl

TECHNICAL CHARACTERISTICS

- **Thermal conductivity:** λ 0,043 W/mK

SOTTOPARQUET

POLYETHYLENE EXPANDED ROLL NOT CROSS-LINKED FOR SOUND AND THERMAL INSULATION OF THE FLOATING WOODEN FLOORING

STANDARD DIMENSIONS

Thickness: 2 mm

Rolls: H 1200 mm X L 25 mtl

Dimensional tolerance: ± 10%

TECHNICAL CHARACTERISTICS

- **Thermal conductivity:** λ 0,043 W/mK
- **Reduction of impact noise:** 18,0 dB

MATERIAL

SOTTOPARQUET is a not cross-linked polyethylene foam for thermal and acoustic insulation of the floating under floors. It can also be supplied in the version coupled film aluminized LDPE 30 my and with a selvage for overlapping.

FIELDS OF APPLICATION

SOTTOPARQUET is the elective product for impact noise insulation in floating wooden flooring.

INSTALLATION

Due to its flexibility, the product can be cut and shaped very easily. The product can be supplied with one self-adhesive side to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

AKUSTIK® - PE

MATERIAL

L'Akustik®-PE is a chemically cross-linked polyethylene with a cell-closed structure, density 33 Kg/m^3, high compression resistant material with a reduced permanent deformation (on request phisically cross-linked available).

This product can be supplied with a protective embossed black film on one side to increase its tensile strength and resistance to impacts, or with an aluminium coating to improve its heat reflecting power.

FIELDS OF APPLICATION

Akustik®-PE is widely used as intermediate layer between the underfloor and the floor to avoid footfalls noises. It is a very good product for floating floors and parquets.

Akustik®-PE is also an excellent heat and sound insulator for casings, channellings and plant engineering in general.

INSTALLATION

Akustik®-PE features a flexible matrix which facilitates cutting to size and therefore it can be easily shaped.

The product can be supplied with one self-adhesive side to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

CROSS-LINKED EXPANDED POLYETHYLENE WITH CELL-CLOSED STRUCTURE FOR SOUND AND THERMAL INSULATION

STANDARD DIMENSIONS

Thickness: mm 3, 5, 10 (Any other on request)

Height: 1080/1500 mm 3 mm thick, 1500 mm 5 and 10 mm thick

Length: mtl 150 th. mm 3; mtl 100 th. mm 5; mtl 50 th. mm 10; Other on request.

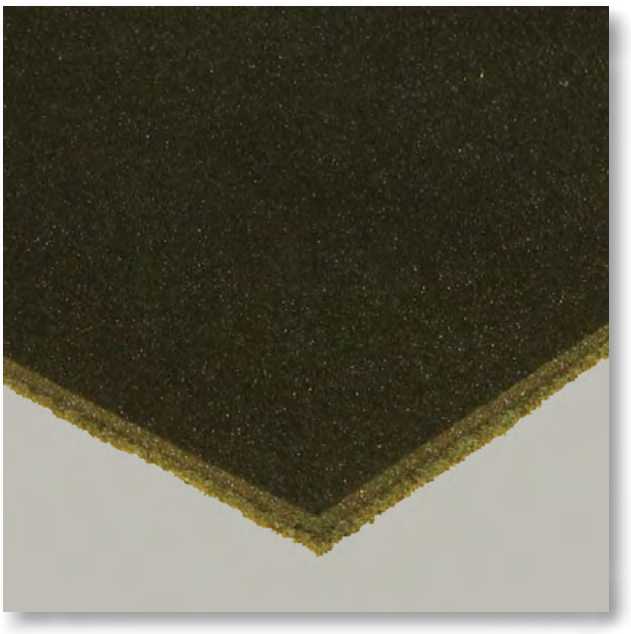
TECHNICAL CHARACTERISTICS

- **Color:** charcoal grey
- **Reaction to fire:** F, (on request B-s1,d0)
- **Thermal conductivity:** λ = 0,035 W/mK
- **Density:** 33 Kg/m^3
- **Thermal resistance:** -80 + 100°C

ANTI-IMPACT NOISE

PAVIPIÙ® SLIM

PAVIPIÙ® SLIM IS THE DOUBLE LAYER ROLL FOR SOUNDPROOFING INSULATION FOR FLOORING



TECHNICAL CHARACTERISTICS

- **Material:** cross-linked polyethylene d. 33 kg/m^3 combined with a special needle punched fabric of 4 mm and weight of 300 g/m^2
- **Color:** dark grey
- **Thermal conductivity:** λ = 0,036 W/mK
- **Dynamic stiffness:** s' = 24 Mn/m^3
- **Improvement of the insulation:** from 28 to 32 dB in function of the screed type of the flooring (calculation made pursuant to UNI EN ISO 12354)

COMPOSITION

Product composed by:

A Cross-linked polyethylene D. 33 Kg/m^3, 3 mm

B Special needle punched fabric, Weight 300 g/m^2, th.4 mm

MATERIAL

Pavipiù® Slim is made with a special layer of cross-linked polyethylene with 3 mm thickness, 33 Kg/m^3 density, combined with special needle-punched technical fabric that allow to obtain a high level of soundproofing insulation for flooring and a good thermal insulation.

FIELDS OF APPLICATION

Pavipiù® Slim is particularly suitable for double layer foundations and is applied over the lightweight underlayment screed and under-screed bed of the flooring. With screeds less than 50 mm the reinforcing of the same is recommended.

INSTALLATION

Quick and easy to apply, it must be taped on the junctions with AKUSTIK® BAND. Pavipiù® Slim must be installed with the technical fabric facing down.

STANDARD DIMENSIONS

Rolls: h 1500 mm

Length: 50 mtl.

Thickness: approx. 7 mm

ANTI-IMPACT NOISE

PAVIPIÙ®

MATERIAL

Pavipiù® is made with a special layer of linked polyethylene with 5 mm thickness, 33 Kg/m^3 density, combined with special needle punched technical fabrics that allow to obtain a very high level of soundproofing insulation for flooring and a good thermal insulation.

FIELDS OF APPLICATION

Pavipiù® is particularly recommended for double layer foundations and is applied over the lightened underlayment screed and the under-screed bed of the flooring. With screeds less than 50 mm the reinforcing of the same is recommended.

INSTALLATION

Quick and easy to apply, it must be taped on the junctions with AKUSTIK® BAND. Pavipiù® must be installed with the technical fabric facing down.

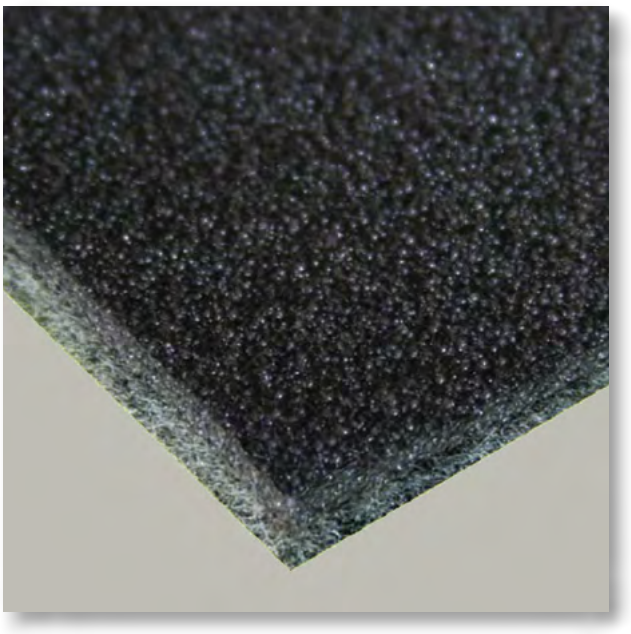
STANDARD DIMENSIONS

Rolls: h 1500 mm

Length: 50 mtl.

Thickness: approx. 9 mm

PAVIPIÙ® IS THE DOUBLE LAYER ROLL FOR SOUNDPROOF INSULATION OF THE FLOORING WITH EXCELLENT DYNAMIC STIFFNESS CHARACTERISTICS



TECHNICAL CHARACTERISTICS

- **Material:** cross-linked polyethylene d. 33 Kg/m^3 combined with a special needle punched fabric of 4 mm and weight of 300 g/m^2
- **Color:** dark grey grey
- **Thermal conductivity:** λ = 0,036 W/mk
- **Dynamic stiffness:** s' = 11 Mn/m^3
- **Resonance frequency:** 37 Hz
- **Improvement of the insulation:** from 28 to 34 dB in function of the screed type of the flooring (calculation made pursuant to UNI EN ISO 12354)

COMPOSITION

Product composed by:

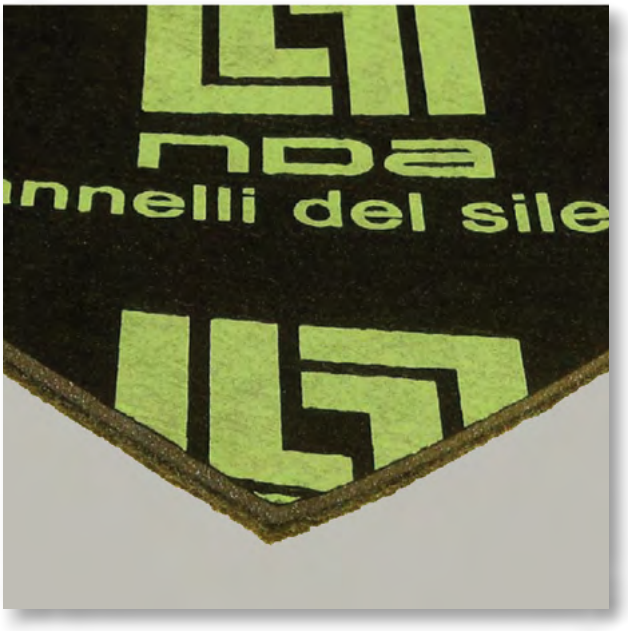
A Cross-linked polyethylene D. 33 Kg/m^3, 5 mm

B Special needle punched fabric, Weight 300 g/m^2, th. 4 mm

ANTI-IMPACT NOISE

PAVIPIÙ® PLUS

PAVIPIÙ® PLUS IS THE TRIPLE LAYER ROLL FOR THE SOUNDPROOFING INSULATION FOR FLOORING WITH EXCELLENT DYNAMIC STIFFNESS CHARACTERISTICS



TECHNICAL CHARACTERISTICS

- **Material:** cross-linked polyethylene D. 33 Kg/m^3 combined with a special needle punched fabric of 4 mm. and weight of 300 g/m^2
- **Color:** dark grey grey
- **Dynamic stiffness:** s' = 13 Mn/m^3
- **Resonance frequency:** 40 Hz
- **Improvement of the insulation:** from 28 to 34 dB in function of the type of flooring screed (calculation made pursuant to UNI EN ISO 12354)

COMPOSITION

Product composed by:

A Anti-tearing fabric

B Cross-linked polyethylene D. 33 Kg/m^3, 5 mm

C Special needle punched fabric, Weight 300 g/m^2, 4 mm

MATERIAL

Pavipiù® Plus is made of a layer of linked expanded polyethylene with a 5 mm thickness, 33 Kg/m^3 density combined on the top side to a protection fabric with an anti-tear function and on the bottom side to a special needle punched technical fabric that allows for the achievement of a high level of soundproofing insulation for flooring and good thermal isolation.

FIELDS OF APPLICATION

Pavipiù® is installed under-screed for sound insulation of footsteps. Thanks to its excellent insulating characteristics, Pavipiù® Plus can be applied to any type of construction where a high level of resistance to tear and walking is required.

INSTALLATION

Pavipiù® Plus thanks to its lightness and flexibility can be positioned, transported to various floors and shaped very easily. Pavipiù® Plus must be applied to the floor with the special anti-tear fabric positioned facing upwards (screed no less than 5 cm, otherwise it has to be reinforced).

STANDARD DIMENSIONS

Rolls: h 1500 mm

Length: 25 mtl.

Thickness: approx. 11 mm

PHONOSTEP®

MATERIAL

Phonostep® is the double layer roll for the acoustic insulation of footsteps, made with a polymer protection coated with an aluminium thermal reflecting fabric and combined with a 6 mm thick polyester fiber underlay. Very resistant to tears and footsteps, it is waterproof and forms a moisture barrier.

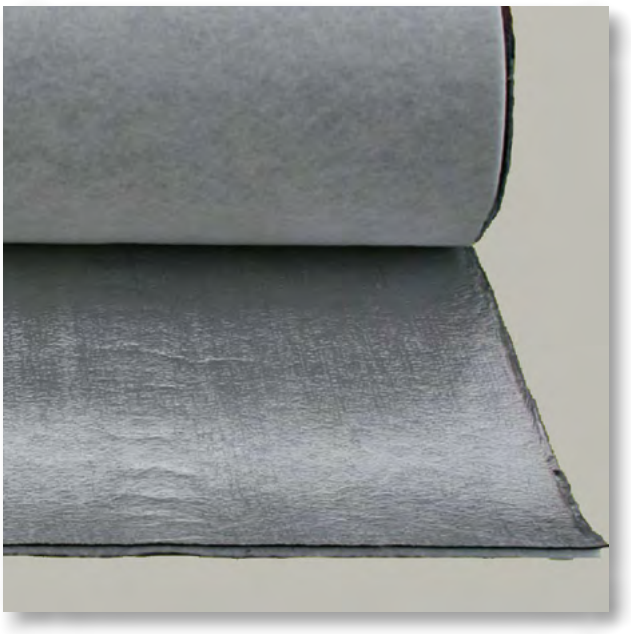
FIELDS OF APPLICATION

Phonostep® is installed under-screed and can be used in all construction methods (single or double screed, lightweight, etc). Particularly indicated for self-levelling screeds.

INSTALLATION

It must be installed on a clean surface, surmounted using the special lateral selvage. We recommend the application of Akustik® Border, polyethylene 'L' shaped adhesive strip, on the perimeter.

PHONOSTEP® IS THE DOUBLE LAYER SOUNDPROOFING INSULATION ROLL FOR FLOORING



STANDARD DIMENSIONS

Form.: h 1050

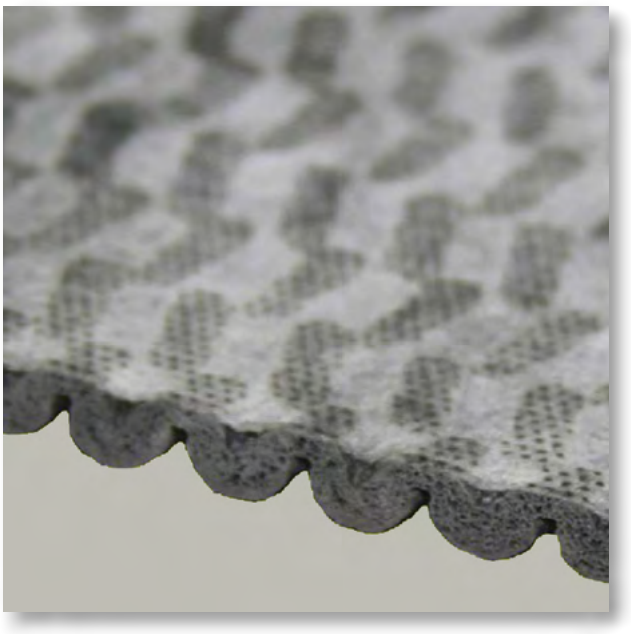
Length: 10 mt.

TECHNICAL CHARACTERISTICS

- **Total surface density:** 2200 g/m^2
- **Thickness:** 7 mm
- **Traction resistance:** MD 430 N/5 cm CD 300 N/5 cm
- **Lengthening:** MD 2-3% CD 3-4%
- **Tear resistance:** MD 270 N CD 270 N
- **Impact insulation:** ΔL 31 dB - theoretic value
- **Dynamic stiffness:** s' 11 MN/m^3

PERFORMANT

PERFORMANT IS A PRODUCT FOR THE SOUNDPROOFING OF FLOORS IN RUBBER LATEX



STANDARD DIMENSIONS

Rolls: h 1,22 m

Length: 12,35 m

Thickness: 10 mm

TECHNICAL CHARACTERISTICS

- **Total surface density:** 3700 g/m^2
- **Thickness:** 10 mm
- **Floor insulation:** ΔL from 28 to 32 dB in function of the type of screed (estimate calculation)

MATERIAL

Perfomant is the rubber latex underlay with high elasticity, weight approximately 3.7 Kg/m^2, with a special point surface that allows to obtain a high level of acoustic insulation of the flooring.

FIELDS OF APPLICATION

Performant is recommended for double layer foundations and is applied over the lightened underlayment screed and the under-screed bed of the flooring. With screeds under 50 mm the reinforcement of the same is recommended.

INSTALLATION

The Performant underlay must be applied with the rough side facing down. The junctions must be put together and taped with adhesive polyethylene tape AKUSTIK® BAND. The detachment from the vertical surfaces is achieved with a perimeter corner junction AKUSTIK® BORDER.

ANTI-IMPACT NOISE

ECOROLL®

MATERIAL

Ecoroll is obtained from the agglomeration of vulcanized rubber micro-granules (density 750 Kg/m^3). It is an ecological material composed of recycled raw materials and so it is 100% recyclable. Ecoroll has a great sound and thermal insulating power, thanks to its elasticity it is a very good vibration damper and it also has a very high resistance to rending, tearing, compression and abrasion.

FIELDS OF APPLICATION

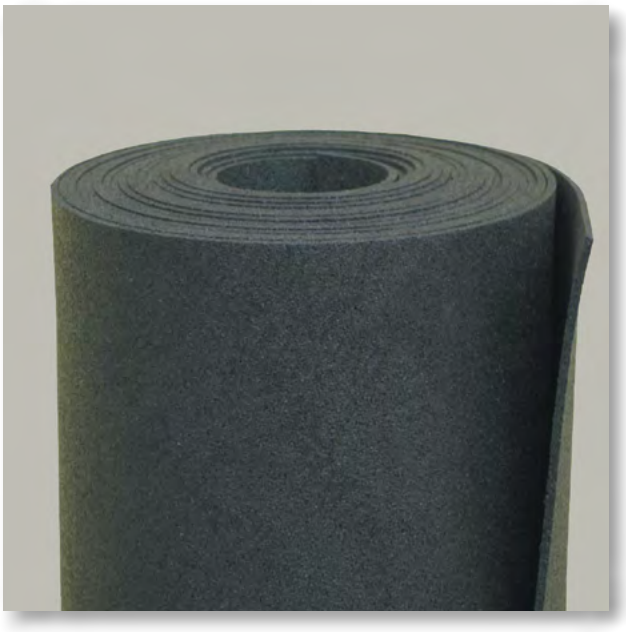
Ecoroll is widely used under the flooring in order to improve footfall soundproofing. Thank to its exceptional insulating properties, It can be installed in any kind of construction (houses, offices, hospitals, trade centres, etc.).

INSTALLATION

Ecoroll must be installed directly over the rough floor, its extremities must cover up the bottom of the perimetric walls and the installation must look seamless (to speed up the installation, use AKUSTIK® BORDER perimeter band).

To have a good result, we suggest to place a layer of polyethylene under the rough floor. Ecoroll is particularly suitable for both single and double screed systems. It can also be installed under the wooden floors.

SOUND-INSULATING AND ECOLOGICAL ROLL FOR ANY KIND OF FOOTFALL NOISES



STANDARD DIMENSIONS

Rolls: h. 1000 mm

Thickness: 3 mm, 4 mm, 5 mm, 6 mm, 8 mm.

Other thicknesses and dimensions on request.

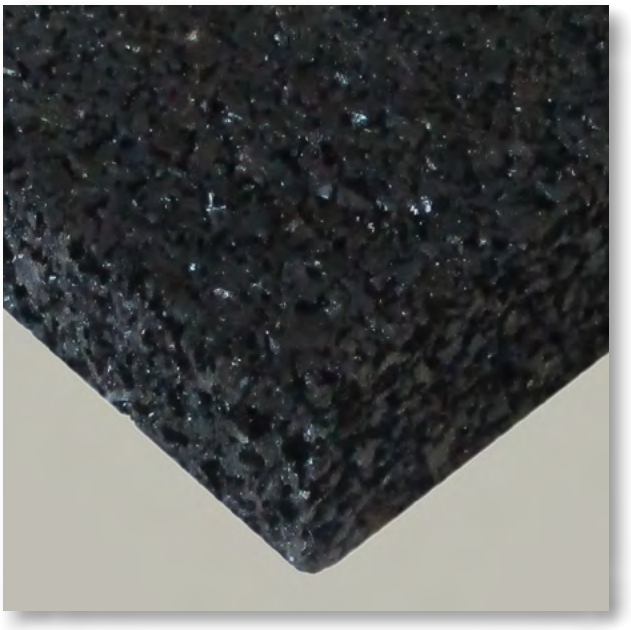
Dimensions tolerance: to DIN 7715 standard, part 2.

TECHNICAL CHARACTERISTICS

- **Density:** 750 Kg/m^3
- **Dynamic stiffness:** 55 Mn/m^3 (5 mm)
- **Impact sound insulation:** certified ΔL: 24,5 dB

ECORUBBER®

SOUND-INSULATING AND ANTIVIBRATION PANEL IN VULCANISED RUBBER GRANULES WITH HIGH DENSITY



STANDARD DIMENSIONS

Width: 1200 mm - **Length:** 1000 mm

Thickness: 10, 20 mm

TECHNICAL CHARACTERISTICS

- **Color:** black
- **Thermal conductivity:** 0,113 W/mc
- **Density:** 750 Kg/m^3
- **Formats:** sheet 1000 x 1200
- **Thermal resistance:** -60 +200 °C
- **Dynamic stiffness th. 10 mm:** s' 45 Mn/m^3
- **Dynamic stiffness th. 20 mm:** s' 36 Mn/m^3

MATERIAL

L'Ecorubber® is made of vulcanised high quality rubber granules, density 750 Kg/m^3, resistant to high and low temperatures (-60°C +200°C). The high quality of the rubber granule allows the Ecorubber® to have an extraordinary mechanical, thermal and chemical resistance to humidity and oils; furthermore it has an excellent dimensional stability. It doesn't mould or create dust.

FIELDS OF APPLICATION

Ecorubber® is an excellent sound-insulating material largely used, both for masonry and plasterboard walls, and for the soundproof treatment of floors and false ceilings. It is installed in discotheques, cinemas, pubs as well as in houses and commercial buildings. Ecorubber® is also a good antivibration material used by railway industry. Furthermore this product can be installed in strips of variable width to be placed between the masonry wall and the floor (see WALL BAND product).

INSTALLATION

For walls and partitions: use NDA KOLL glue and plastic fixing. For floors: to ground dry under the underfloor reinforced with an arc welded net.

WALL - BAND

MATERIAL

Wall-Band is made of high density vulcanised rubber granules (750 Kg/m^3).

The high elasticity and the compressive strength make the Wall- Band the band separation strip for excellence. It is an essential accessory for obtaining high values on impact noise insulation and on acoustic walls insulation.

FIELDS OF APPLICATION

Wall-Band must be installed over the walls in continuity with soundproofing material placed over the rough floor to separate walls and floors, preventing acoustical bridges and optimizing footfall soundproofing and air insulation.

INSTALLATION

Wall-Band must be placed directly over the rough floor and under the partition wall.

WALL-BAND IS THE VULCANISED RUBBER BAND ESSENTIAL FOR THE SOUNDPROOFING OF WALLS AND FLOORS

STANDARD DIMENSIONS

Product in rolls

Width: cm10, 12, 15, 20, 30, etc.

Thickness: mm 3, 4, 5

(other on request)

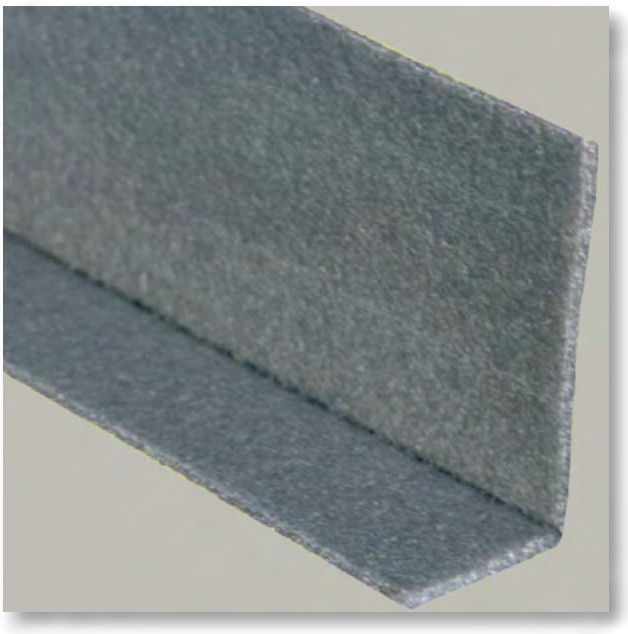
Dimensions tolerance: to DIN 7715, Part 2

TECHNICAL CHARACTERISTICS

- **Material:** agglomerated micro-granules of vulcanised rubber
- **Density:** 750 Kg/m^3

AKUSTIK® - BORDER

AKUSTIK®-BORDER IS THE 'L-SHAPED' BAND FOR THE PERIMETRICAL WALLS, WITH AN EASY AND FAST APPLICATION



STANDARD DIMENSIONS

Width: 100+50 mm - 150+50 mm

Length: 50 mtl

Thickness: 6 mm

TECHNICAL CHARACTERISTICS

- **Material:** expanded polyethylene

MATERIAL

L'Akustik®-Border is made of an expanded polyethylene with a cell-closed structure and a "L" shape. It must be placed between the perimetral wall and the floor to avoid their contact.

FIELDS OF APPLICATION

Akustik®-Border can be used in all the footfall soundproofing insulation systems, as an essential adjunct to realize a perfect footfall soundproofing.

INSTALLATION

Akustik®-Border has a self-adhesive side and it is very easy to be installed.

This material must be placed between the wall and the floor and cut after the flooring.

Akustik®-Border avoids the difficult and unclear lapel of the insulating material on the perimeter walls. The part that is overlapped must be cut after floor laying and grouting

SOUNDAB

SOUNDABSORBERS

Pyramid-shaped

Profiled

Flat

Baffles

Ceiling tiles

SORBERS

AKUSTIK® - STOP

MATERIAL

Open cell flexible polyester- based polyurethane foam, density 35 kg/m^3, color dark grey. Ideal for acoustic absorption, as well as guaranteeing excellent thermal insulation and consequent energy saving. Upon request, it can be painted in all the RAL range colors.

FIELDS OF APPLICATION

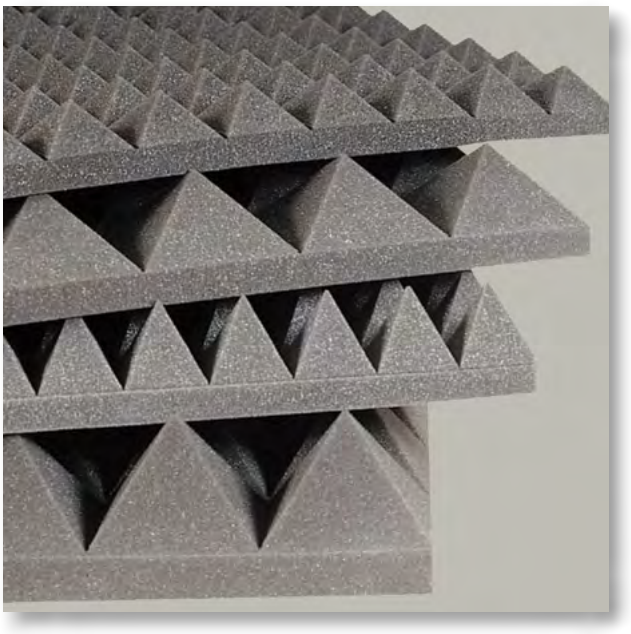
Akustik®-Stop is widely used in gymnasiums, lecture rooms, auditoriums, musical recording studios, radio and TV studios, for mobile acoustic paneling, compressor engine rooms, etc.

INSTALLATION

Akustik®-Stop flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue. The product can also be supplied with self-adhesive surface to facilitate application. The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

Thanks to their angular structure which triples the absorbing surface, Akustik®-Stop panels afford an excellent degree of acoustic absorption, with excellent results at medium and high frequencies (500÷2000 Hz). Whenever a high acoustic absorption coefficient is required, Akustik®- Stop can be assembled together with barriers with a high acoustic insulation coefficient such as lead, lead rubber etc. The profile of this product, and the possibility of coloring it, allow its functionality to be optimised in interior architecture.

PYRAMID POLYURETHANE ACOUSTICAL FOAM PANEL



STANDARD DIMENSIONS

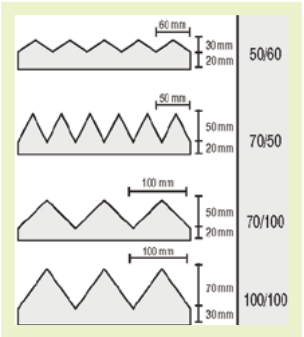
Width: 1000 mm

Length: 1000 mm

Thickness: 35 - 50 - 70 -100 mm

Dimensions tolerance:
to DIN 7715 standard, part 2.

STANDARD FORMATS

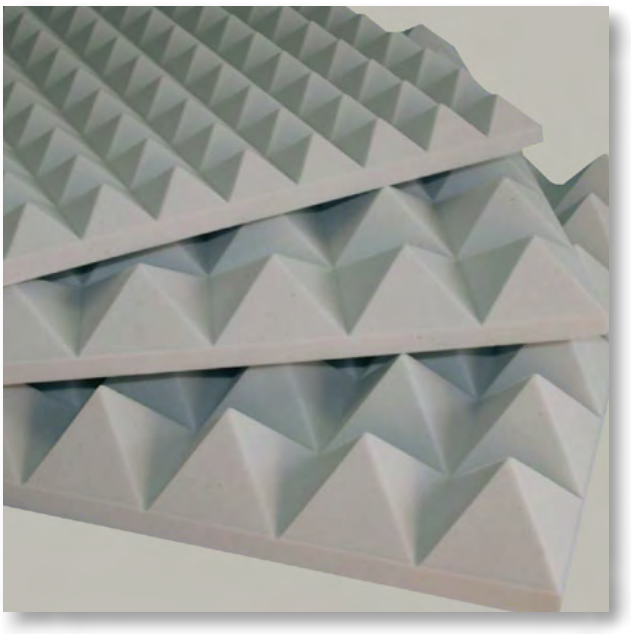


TECHNICAL CHARACTERISTICS

- **Material:** open cell flexible polyester- based polyurethane foam
- **Density:** 35 Kg/m^3
- **Thermal conductivity coefficient:** 0,029 Kcal/m h° C
- **Thermal resistance:** -10 +90 °C
- **Reaction to fire:** polyurethane HF1 (to UL94)

ISOTEK - STOP

BASOTECT® (BASF) PYRAMID MELAMINE RESIN FOAM ACOUSTICAL PANEL



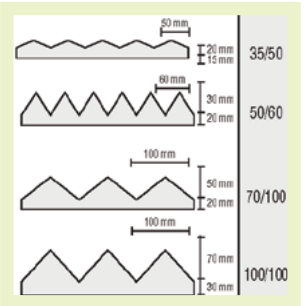
STANDARD DIMENSIONS

Width: 600 or 1200 mm

Length: 1200 mm

Thickness: 35 - 50 - 70 -100 mm, etc.

STANDARD FORMATS



TECHNICAL CHARACTERISTICS

- **Thermal conductivity: at 10°C:** W/mK DIN 52612 < 0,035
- **Acoustic absorption S = 50 mm/2000 Hz:** % DIN 52215 > 90
- **Reaction to fire:** c-s2, d0

MATERIAL

Light grey colored melamine resin BASF Basotect® Foam. High resistance to temperatures: +150°C. Isotek-Stop has an excellent acoustic absorption, particularly at medium-high frequencies (500÷2000 Hz). Upon request, it can be painted in all the RAL range colors.

FIELDS OF APPLICATION

Isotek-Stop is a specifically sound-absorbing product with a special pyramidal profile which triples the absorbing surface. Its technical characteristics allow it to be used where special safety features are required, such as theatres, cinemas, auditoriums, hotels, lecture rooms, firing ranges, gymnasiums, schools, discotheques.

INSTALLATION

Isotek-Stop's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue.

AKUSTIK® - FOAM

MATERIAL

The profiled Akustik®-Foam panel is made of polyester-based flexible polyurethane foam, color dark grey. Allows dissipation of high levels of sound energy produced in the environment. Akustik®-Foam can be combined with barriers having a high acoustic reduction coefficient such as lead, EPDM, etc. Coloring is possible for visible surfaces and/or blunted edges of 45° on the four sides.

FIELDS OF APPLICATION

Akustik®-Foam is a soundabsorbing product with a wide range of applications in the sound treatment of industrial environments, the sound-proofing of air conduits, firing ranges, the internal lining of engine compartments, sound enclosures, silencers, soundproofed cabins, ventilation equipment, etc.

INSTALLATION

Akustik®-Foam's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue. The product can also be supplied with self-adhesive surface to facilitate application.The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

PROFILED POLYURETHANE FOAM
ACOUSTICAL PANEL

STANDARD DIMENSIONS

Width: 1000 mm

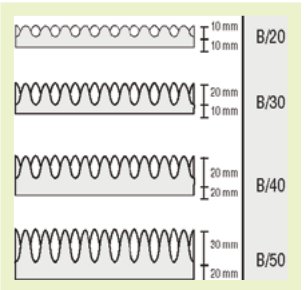
Length: 1000/2000 mm

Rolls available on request.

Thickness: 20 - 30 - 40 - 50 mm, etc. Any other dimensions may be supplied on request.

Dimensions tolerance: to M4 DIN 7715 standard, part 2.

STANDARD FORMATS



TECHNICAL CHARACTERISTICS

- **Density:** 35 Kg/m^3
- **Thermal conductivity coefficient:** 0,029 Kcal/m h° C
- **Acoustic absorption:** αS = 0,92 (50 mm/2000 Hz)
- **Reaction to fire:** polyurethane HF1 (to UL94)

ISOTEK - FOAM

BASOTECT® BASF PROFILED MELAMINE RESIN FOAM ACOUSTICAL PANEL

STANDARD DIMENSIONS

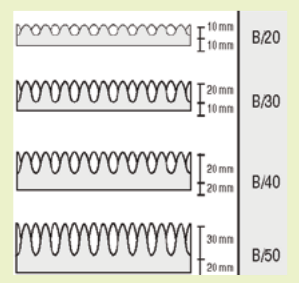
Width: 1200/600 mm

Length: 600/1200 mm

Thickness: 20 - 30 - 40 - 50 mm, etc. Any other dimensions may be supplied on request.

Dimensions tolerance: to M4 DIN 7715 standard, part 2.

STANDARD FORMATS



TECHNICAL CHARACTERISTICS

- **Thermal conductivity: at 10°C:** W/mK DIN 52612 < 0,035
- **Acoustic absorption S = 50 mm/2000 Hz:** % DIN 52215 > 90
- **Utilisation temperature:** max + 150° C
- **Reaction to fire:** from 5 to 15 mm B-s1, d0,
  from 15 to 20 mm B-s2, d0
  from 21 to 80 mm C-s2, d0

MATERIAL

Light grey BASF Basotect® melamine foam resin. High thermal resistance +150°C. Isotek-Foam has an excellent acoustic absorption, particularly at medium-low frequencies (500 ÷ 1000 Hz). Isotek- Foam may be assembled together with sound-insulation barriers such as lead, EPDM, etc. Upon request it can be painted in all RAL range colors and with blunted edges of 45° on the four sides.

FIELDS OF APPLICATION

Isotek-Foam is a specific specially profiled soundabsorbing product which has excellent absorption properties at medium-low frequencies. Its technical characteristics allow it to be used where special safety features are required, such as factories, theatres, schools, cafeterias, cinemas, discotheques, firing ranges, hotels, auditoriums, multipurpose halls.

INSTALLATION

Isotek-Foam's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue.

ISOTEK - SLIK

MATERIAL

Light grey BASF Basotect® melamine resin foam. High thermal resistance: +150°C. The product has excellent absorption properties and a good thermal insulation with consequent energy saving.

Upon request it can be painted in all RAL range colors and with blunted edges of 45° on the four sides.

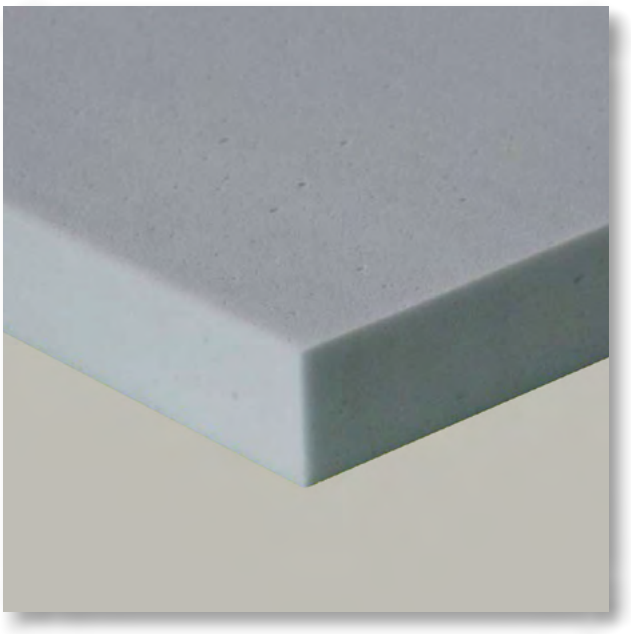
FIELDS OF APPLICATION

Isotek-Slik is widely used as a thermal and acoustic insulator in conduits, ventilation plant, door and window frame cabinet and engine compartment linings and as absorbent support in hollow ceilings in general wherever it is not possible to use easily or normally flammable products.

INSTALLATION

Isotek-Slik's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease oil or dust, using NDA VIL glue.

BASOTECT® (BASF) FLAT MELAMINE RESIN FOAM PANEL FOR HEAT AND SOUND INSULATION



STANDARD DIMENSIONS

Width: 625 or 1250 mm

Length: 1250 mm

Thickness: 10 - 20 - 30 mm, etc.

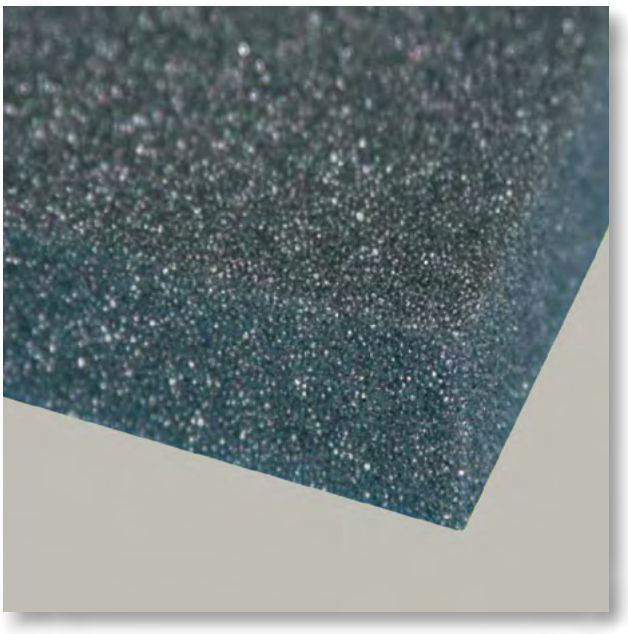
Dimensions tolerance: to M4 DIN 7715 standard, part 2.

TECHNICAL CHARACTERISTICS

- **Thermal conductivity: at 10°C:** W/mK DIN 52612 < 0,035
- **Acoustic absorption S = 50 mm/2000 Hz:** % DIN 52215 > 90
- **Reaction to fire:** from 5 to 15 mm B-s1, d0,
  from 15 to 20 mm B-s2, d0
  from 21 to 80 mm C-s2, d0

AKUSTIK® - SLIK

FLAT POLYURETHANE FOAM HEAT AND SOUND INSULATION PANEL



STANDARD DIMENSIONS

ROLLS
1000 mm varying in length according to the thickness.

SHEETS
Width: 1000 mm

Length: 1000 o 2000 mm

Thickness: 10 - 20 - 30 - 40 mm, etc.
Any other dimension may be supplied on request.

Dimensions tolerance: to M4 DIN 7715 standard, part 2.

TECHNICAL CHARACTERISTICS

- **Density:** 35 Kg/m^3
- **Thermal conductivity coefficient:** 0,029 Kcal/m h° C
- **Basic color:** dark grey
- **Acoustic absorption:** αS @ 2000 Hz = 0,92 (Thickness 50 mm)
- **Reaction to fire:** polyurethane HF1 (to UL94)

MATERIAL

Flexible polyester-based open cell polyurethane foam, density 35 kg/m^3, color dark grey, resistant to temperatures from - 10°C to +90°C. Highly recommended for soundabsorbing insulation.

Good thermal insulation with consequent energy saving.

FIELDS OF APPLICATION

Akustik®-Slik is widely used as thermal and acoustic insulation in air conduits, ventilation plant, engine compartment linings, silencers and as absorbent support in hollow ceilings in general. The product can be supplied with flat or embossed aluminium film, perforated eco-leather, plastic films, etc.

INSTALLATION

Akustik®-Slik's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue.

The product can also be supplied with self-adhesive surface to facilitate application.The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

ISOTEK - BAFFLES

MATERIAL

Isotek-Baffles is the soundabsorbing panel that can be hanged vertically or horizontally as occasion may require. It is made of Basotect (BASF) melamine resin and provided with special hooks for the application. It is available in rectangular or cylindrical shape, surface on view flat.

Standard color light grey, upon request it can be painted in all RAL range colors.

FIELDS OF APPLICATION

Isotek-Baffles is largely used for noise absorption as far as wide spaces are concerned (factories, gyms), this kind of panels indeed, can be moved to the areas where a sound insulation is needed.

Furthermore it is possible to add panels wherever a higher noise absorption is required.

INSTALLATION

To install Isotek-Baffles boards is very easy. It is sufficient to place some steel rods, at predetermined distances, and then, hang the panels already provided with special hooks.

BASOTECT® (BASF) MELAMINE RESIN MOVEABLE BAFFLES FOR SOUND ABSORPTION

STANDARD DIMENSIONS

RECTANGULAR

Width: 500 mm

Length: 1200 mm

Thickness: 45 mm

CYLINDRICAL

Length: 600 mm

Diameter: 150 mm

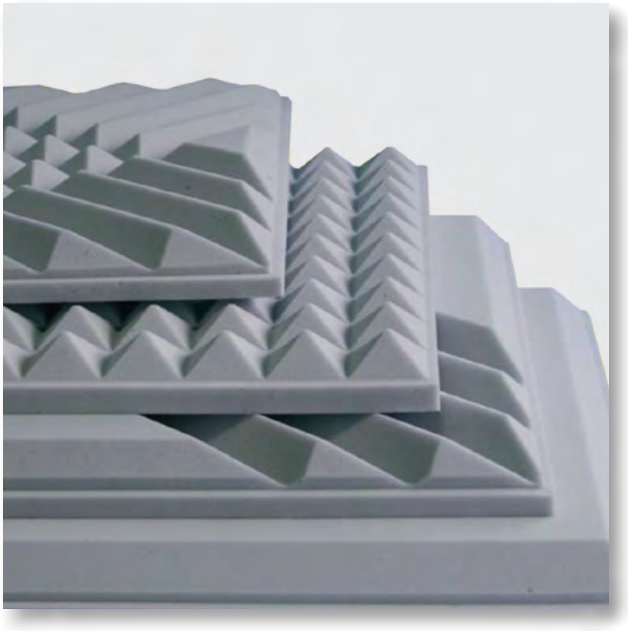
Other dimensions available on request.

TECHNICAL CHARACTERISTICS

- **Reaction to fire:** from 5 to 15 mm B-s1, d0,
  from 15 to 20 mm B-s2, d0
  from 21 to 80 mm C-s2, d0

ISOTEK - MODULO

BASOTECT® (BASF) MELAMINE RESIN MODULAR PANEL FOR CEILING



STANDARD DIMENSIONS

Formato: 600 x 600 mm

Thickness: 50 mm

Dimensions tolerance: to M4 DIN 7751, Part 2

TECHNICAL CHARACTERISTICS

- **Thermal conductivity: at 10°C:** W/mK DIN 52612 < 0,035
- **Acoustic absorption S = 50 mm/2000 Hz:** % DIN 52215 > 90
- **Reaction to fire:** Euroclass C-s2,d0 from 21 to 80 mm to UNI EN 13501-1

MATERIAL

Isotek-Modulo is a BASF Basotect® melamine resin foam acoustical panel. It is a high thermal resistance product: +150°C. It can be applied both to visible supporting structures of 24 mm or glued to ceilings and walls. It has an excellent sound absorption coefficient. If it has to be installed with the structure, it can have blunted edges and it can be painted on all RAL range colors, upon request.

FIELDS OF APPLICATION

Isotek-Modulo makes it possible to create highly sound absorbing ceiling, lightweight and inspected.

It offers a high degree of versatility combined with excellent acoustic properties.

It is widely used in open-space offices, auditoriums, theatres, cinemas, school rooms, etc.

INSTALLATION

The product may be installed on supports (the type must be requested) using the standard 24 mm metal grid or glued using NDA VIL.

AKUSTIK CEILING

MATERIAL

Akustik Ceiling is made of white thermo-insulating and sound-absorbing polyester with coloured TNT finish. It is a non-toxic, ecological, resistant and rot-proof product.

FIELDS OF APPLICATION

Akustik Ceiling is used where a combination of sound absorption and thermal insulation is needed. It can be applied visible on walls and ceilings.

INSTALLATION

The product can be installed resting on a 24 mm structure or glued using NDA VIL glue.

STANDARD DIMENSIONS

Format: 600 x 600 mm

Thickness: 30 mm

Other on request.

Dimensions tolerance: to DIN 7715 standard, part 2.

HEAT-SEALED WHITE POLYESTER FIBRE PANEL WITH COLOURED NON-WOVEN FABRIC

TECHNICAL CHARACTERISTICS

- **Density: approx.** 60 Kg/m^3
- **Composition:** heat-sealed polyester staple fibre 100%, TNT finish, coloured spunlace polyester.
- **Thermal conductivity:** λ = 0,035 W/mK
- **Reaction to fire:** B-s1, d0
- **Standard colours:** white, red, yellow, grey

ISOTEK ART

FULLY CUSTOMISABLE PRINT MELAMINE RESIN INSULATION PANEL

STANDARD DIMENSIONS

Width: 600 or 1200 mm

Length: 600 or 1200 mm

Thickness: 40 mm

Dimensions tolerance: to DIN 7715 standard, part 2.

TECHNICAL CHARACTERISTICS

- **Reaction to fire**
  from 5 to 15 mm B-s1, d0,
  from 15 to 20 mm B-s2, d0
  from 21 to 80 mm C-s2, d0

MATERIAL

Isotek Art is a printed insulation panel made of Basotect (BASF) melamine resin. Product with a high thermal resistance +150°C. Isotek Art offers an excellent absorption meeting with every design requirement, given that it is totally customisable. Thanks to an innovative system of high-quality printing, it is possible to reproduce any image, pattern or texture on the panel that becomes a distinctive piece of furniture and design. Isotek Art combines maximum acoustic technology with the aesthetic needs of the environment.

FIELDS OF APPLICATION

Isotek art is installed in view as a painting or a decorative element, guaranteeing an excellent soundproofing, moreover, it is the ideal solution for public places such as restaurants, bars, pubs, clubs, offices, to reduce or eliminate the phenomena of acoustic reverberation (echo, reverberation , poor understanding of speech or music), ensuring optimal acoustic comfort and aesthetics of the room. The unique printing technology allows to realize large wall designs reproducing one image over the entire surface.

INSTALLATION

Isotek Art can be applied by gluing directly onto walls and flat surfaces, provided the same are smooth and clean, with adhesive NDA VIL, or installed with a wooden or aluminium frame on a rigid support, to be able to move and reposition as a framework.

INSULATEK

MATERIAL

Insulatek is a modular sound absorbing element made of Basotect (BASF) melamine resin. Customisable, thanks to a special “island” application detached from the ceiling, allowing excellent sound absorption. Insulatek provides design, performance and speed of realization. The extreme lightness (8÷11 kg/m^3) and the method of application with hooks (included) allow for an easy and quick application and the possibility for mobility and repositioning of the elements. Product with a high thermal resistance +150°C.

FIELDS OF APPLICATION

Insultek is the ideal solution for large public places such as restaurants, bars, pubs, clubs, offices, meeting rooms, to reduce or eliminate the phenomena of acoustic reverberation (echo, reverberation, poor understanding of speech or music), ensuring optimal acoustic comfort and aesthetics of the room. The dimensions of the elements is customizable on demand, as well as coloring.

INSTALLATION

Insulatek is applied suspended from the ceiling, using special included hooks.

CUSTOMISABLE MODULAR MELAMINE RESIN SOUND ABSORBING ELEMENTS FOR INSTALLATION ON CEILINGS

STANDARD DIMENSIONS

1250x625 mm

Thickness: 70 mm

MAX DIMENSIONS

2400x1250x500 mm

Dimensions tolerance: to DIN 7715 standard, part 2.

TECHNICAL CHARACTERISTICS

- **Reaction to fire:** from 21 to 80 mm C-s2, d0

STUDIO BASSTRAP

EXPANDED POLYURETHANE SOUND ABSORBING ELEMENTS FOR THE CONTROL OF THE LOW WAVES IN RECORDING STUDIOS

STANDARD DIMENSIONS

Length: 1000 mm

Dimensions: 420x500 mm

Dimensions tolerance: to DIN 7715 standard, part 2.

TECHNICAL CHARACTERISTICS

- **Reaction to fire:** polyurethane HF1 (to UL94)

MATERIAL

Studio Basstrap is the sound absorbing technical element made with expanded flexible open-cell-based polyester resin polyurethane, density 35 kg/m^3, dark grey color, resistant to temperatures -10°C +90°C.The special modular shape allows the optimization of the internal acoustics by reducing the 'nodes' of the stationary low frequency waves accumulated mainly in the corners of environments.

FIELDS OF APPLICATION

Studio Basstrap is the ideal technical solution for the problem of standing waves in recording studios, television studios, music halls, radio stations, etc. Studio Basstrap is modular, inexpensive and easy and quick to apply.

INSTALLATION

Studio Basstrap is applied in corners between vertical walls and between walls and ceiling. The elements are applied with glue NDA VIL.

LINEABSORBER

MATERIAL

Lineabsorber is the sound absorbing technical element made with expanded flexible open-cell-based polyester resin polyurethane, density 35 Kg/m^3, dark grey color, resistant to temperatures -10°C +90°C.

The special shape maximizes interior acoustics by reducing the phenomena of reverberation and permitting a multi-band linear absorption.

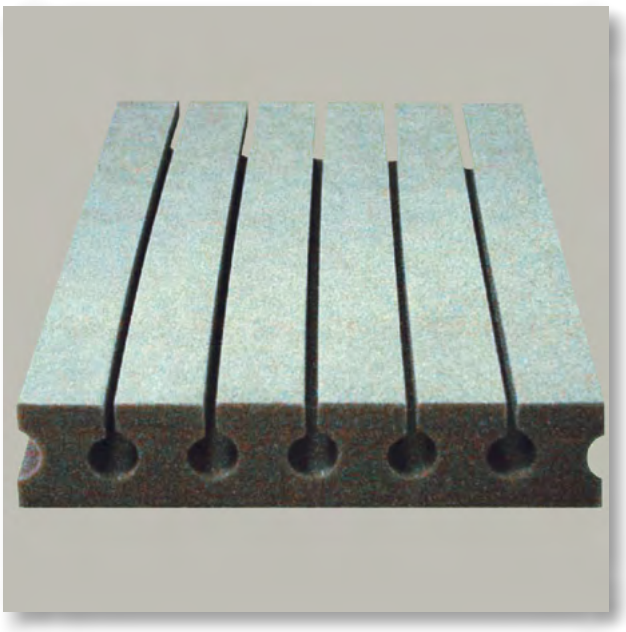
FIELDS OF APPLICATION

Lineabsorber is particularly indicated in order to provide greater acoustic linearity in recording studios, televisions studios, rehearsal rooms, radio stations, etc. Easy and quick to install, can be applied to walls, ceilings or in corners.

INSTALLATION

Lineabsorber is applied with glue NDA VIL.

EXPANDED POLYURETHANE SOUND ABSORBING ELEMENTS FOR THE CONTROL OF SOUND WAVES IN RECORDING STUDIOS



STANDARD DIMENSIONS

Length: 1000, 2000 mm

Width: 500 mm

Thickness: 80 mm

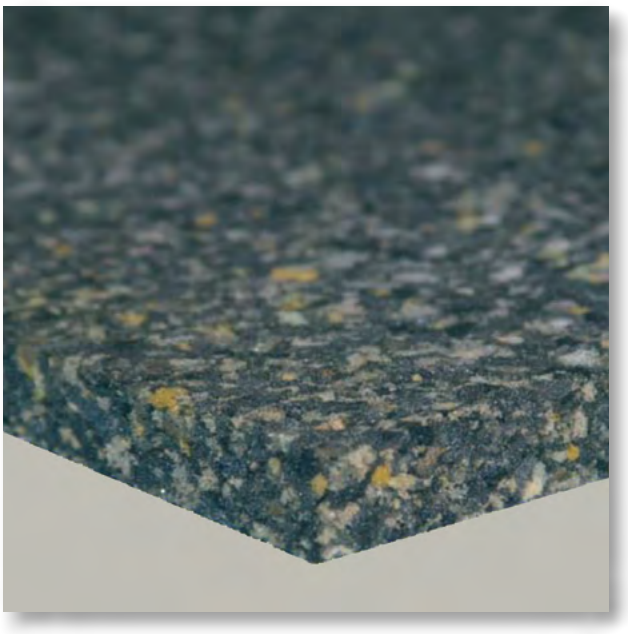
Dimensions tolerance: to M4 DIN 7715 standard, part 2.

TECHNICAL CHARACTERISTICS

- **Reaction to fire:** polyurethane HF1 (to UL94)

AKUSTIK® - C1

SOUND- ABSORBENT, SOUND-INSULATING PANEL MADE OF RUBBER AND POLYURETHANE AGGLOMERATION



STANDARD DIMENSIONS

Panels: 2000x1000 mm,
1000x1000 mm

Thickness: 10-20-30-40 mm etc.
On request product available in rolls.

TECHNICAL CHARACTERISTICS

- **Reaction to fire:** euroclass E

MATERIAL

L'Akustik®-C1 is the agglomeration of rubber and polyurethane with a density of 100 Kg/m^3 up to 300 Kg/m^3. It is made by more than 90% of recycled materials and it is 100% recyclable. The Akustik®-C1 is elastic and transpiring and it can be easily shaped over many different surfaces according to the applications.

FIELDS OF APPLICATION

The Akustik®-C1 is widely used as a sound-absorbent and sound-insulating material in industrial factories and in generators, and in buildings partitions made of bricks or plasterboards as well.

INSTALLATION

Very easy to use thanks to its flexibility through NDA VIL glue on every surface, if free from oils, dust, and grease.

The product can also be supplied with self-adhesive surface to facilitate application.The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

AKUSTIK® - FIREX

MATERIAL

Akustik®-Firex polyurethane foam having undergone impregnation treatment to enhance its already excellent acoustical properties and the reaction to fire. Akustik®-Firex, with a density of 90 Kg/m^3, has excellent absorption capacity and, in view of its mass, is also a good sound insulator. Akustik®-Firex may be supplied flat, in sheets and rolls, or with surface on view profiled (Akustik®-Firex Foam). It may also be combined with acoustic barriers such has lead or EPDM.

FIELDS OF APPLICATION

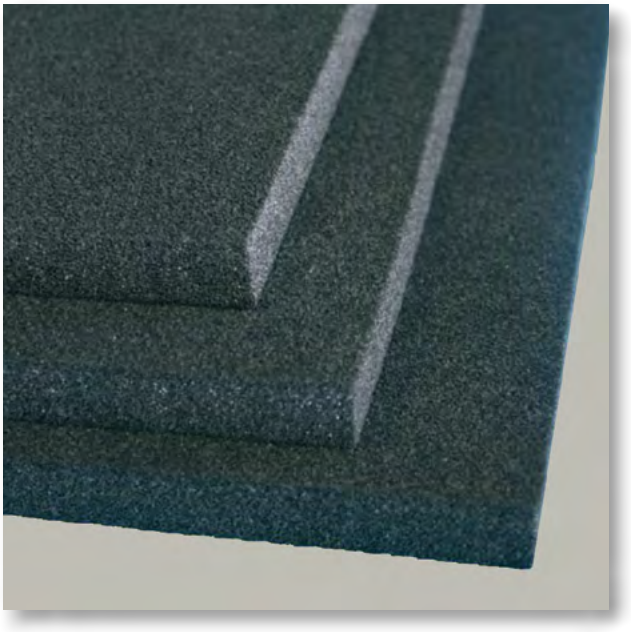
The physical and fire resistance properties of Akustik®-Firex are perfect for ventilation and air conditioning systems, and for engine compartment linings. It can be assembled with lead rubber or lead in the sound insulating treatment of walls and ceilings, sound-proof cabins, hollow ceilings, as absorbent panels, etc.

This product can be supplied with a protective aluminium film on one side.

INSTALLATION

The material in the form of rolls can be shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of dust, oil or grease with NDA VIL glue. The product can also be supplied with self-adhesive surface to facilitate application.The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

FIRE-RESISTANT SOUND-ABSORBING AND SOUND INSULATING POLYURETHANE FOAM PANEL



STANDARD DIMENSIONS

Rolls: 1000 mm

Flat panel: Thickness 10 - 20 - 30 - 40 mm

Profiled panel: Thickness 30 mm

TECHNICAL CHARACTERISTICS

- **Reaction to fire:** BS 476 Part 6 Class 0, Part 7 Class 1

AKUSTIK® SOFT

POLYESTER-BASED FIRE-RESISTANT MATERIAL FOR SOUND AND HEAT INSULATION

TECHNICAL CHARACTERISTICS

- **Acoustic absorption coefficient UNI EN ISO 11654:**
  αw = 0,65 Density 50 Kg/m³, th. 30 mm
  αw = 0,75 Density 30 Kg/m³, th. 50 mm
- **Thermal conductivity: UNI EN 12667:**
  λ = 0,034 W/mK Density 60 Kg/m³
  λ = 0,036 W/mK Density 50 Kg/m³
  λ = 0,037 W/mK Density 40 Kg/m³
  λ = 0,038 W/mK Density 30 Kg/m³
  λ = 0,039 W/mK Density 20 Kg/m³
- **Determination of the opacity of the smoke toxicity of gas ATS 1000.001 issue 4:** meets the limits
- **Certified ecological and toxicological:** product Oeko Tex Standard 100 Class I
- **Operating temperature:** -40°C +110°C
- **Reaction to fire:** B-s2, d0

STANDARD DIMENSIONS*

Rolls: h 600 or h 1200 mm
Panels: 595x595, 1200x600, 2000x1000 mm
Thickness: from 10 to 60 mm
Density: 10 - 20 - 30 Kg/m³.

MATERIAL

Akustik®-Soft is the fiber of polyester 100% pure, white or black color. It is odourless, non toxic and it doesn't give any epidermal problem; it doesn't create dust and doesn't deteriorate, it keeps its characteristics unaltered in time and it is recyclable. Akustik®-Soft is a class B-s2,d0 material and its smokes are non toxic. Furthermore Akustik®-Soft can be combined with aluminium or with insulating masses such as lead or EPDM.

FIELDS OF APPLICATION

Akustik®-Soft is widely used for heat and sound insulation of every kind of hollow ceilings (plasterboard, staves, mineral fiber, lightened plaster, metal, etc.) for hollow spaces, for masonry and plasterboard supporting walls and for moveable walls, etc. Akustik®-Soft is also widely used in railway and car industry and for the sound insulation treatment of factories.

INSTALLATION

Akustik®-Soft can be easily shaped with scissors or cutter. It could be free laid on false ceilings and partitions, or glued to walls and ceilings with NDA VIL glue.

*Any other dimensions or density can be supplied on request.

Dimensions tolerance to DIN 7715 Part 2.

ACCESS

ACCESSORIES

Anti-Damping Suspensions

Insulating Tapes

Insulation of Ventilation Holes

Glue

ORIES

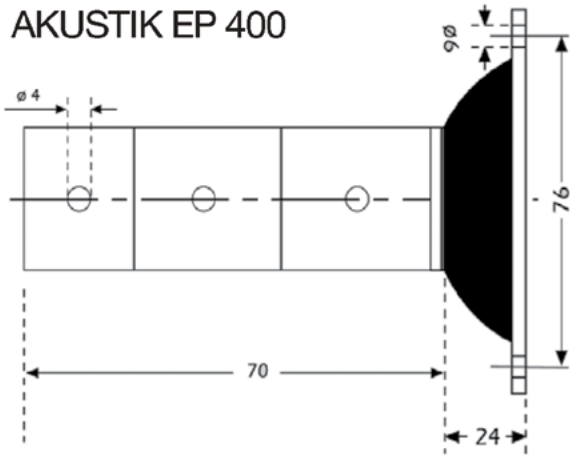
AKUSTIK® - EP (400-600)

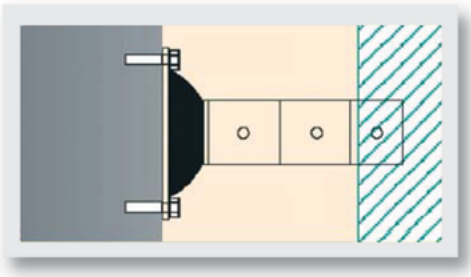
MATERIAL

Akustik®-EP 400 and Akustik®-EP 600 are made of very resistant metal coated with zinc and their highdensity rubber mass works as a vibration damper.

VIBRATION DAMPERS FOR SOUNDPROOFING WALLS

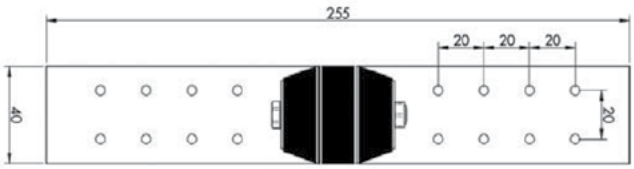
AKUSTIK EP 400

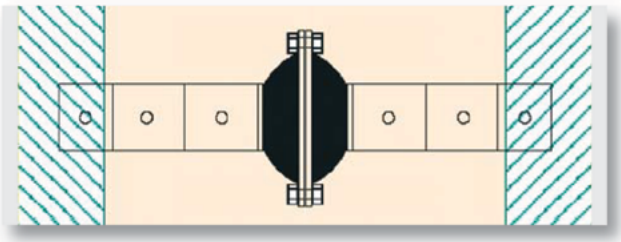




Vibration damper to be place between a plasterboard panel and a brick wall. The side to be screwed on the metallic structure of the plasterboard panel has three holes, so that it can be installed at different distances.

AKUSTIK EP 600





Vibration damper to be placed between two plasterboard walls. This special spacer has holes on both sides, so that it can be screwed on the plasterboard at different distances.

AKUSTIK® - 1/4/RAPID

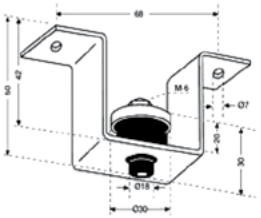
THE ANTI-VIBRATION SUPPORT LINE AKUSTIK IS DESIGNED FOR THE SUSPENSION OF FALSE CEILINGS AND MACHINERY.

Made with high quality EPDM anti-vibration material (resonance frequency 7-15 Hz), allowing a high level of insulation and anti-vibration effect according to the mass/spring/mass principle. Metal structure in galvanized metal, ultimate strength over 600 Kg.

MATERIAL

The AKUSTIK anti-vibration supports are an essential accessory for the design and construction of false ceilings with a high level of acoustic insulation, given that they avoid the acoustic bridges from traditional suspensions.

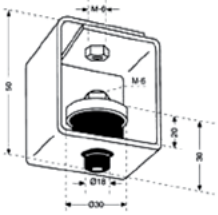
AKUSTIK 1



Suspension with direct ceiling mounting with two stops.

45 Shore optimal load 8-30 Kg

AKUSTIK 4

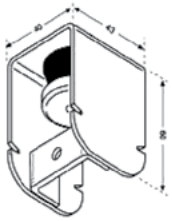


Suspension with direct ceiling mounting with one stop

45 Shore optimal load 8-30 Kg

60 Shore optimal load 25-60 Kg

AKUSTIK RAPID



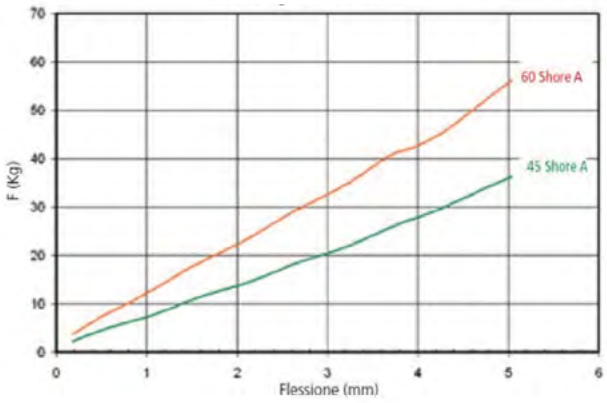
Suspension with direct built in mounting in the guides.

45 Shore optimal load 8-30 Kg

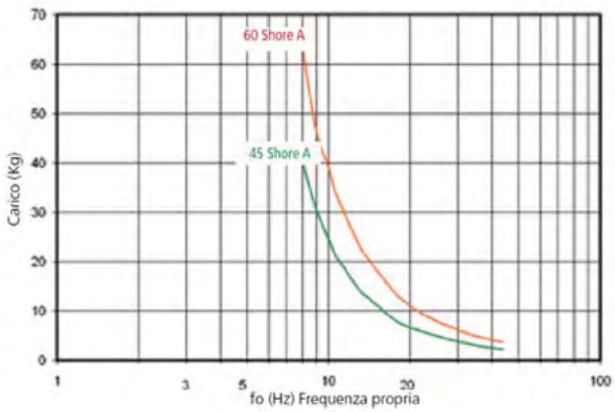
60 Shore optimal load 25-60 Kg

DYNAMIC BEHAVIOUR

GRAPHIC STATIC LOAD BENDING



OWN FREQUENCY



AKUSTIK® - BAND

MATERIAL

AKUSTIK®-BAND is the gasket resistant to noises, air, water and dust. This product made of expanded reticulated polyethylene with closed cells, density 33 Kg/m^3, can be supplied single/ double-sided self-adhesive. On request it is possible to package every single roll with a plastic film.

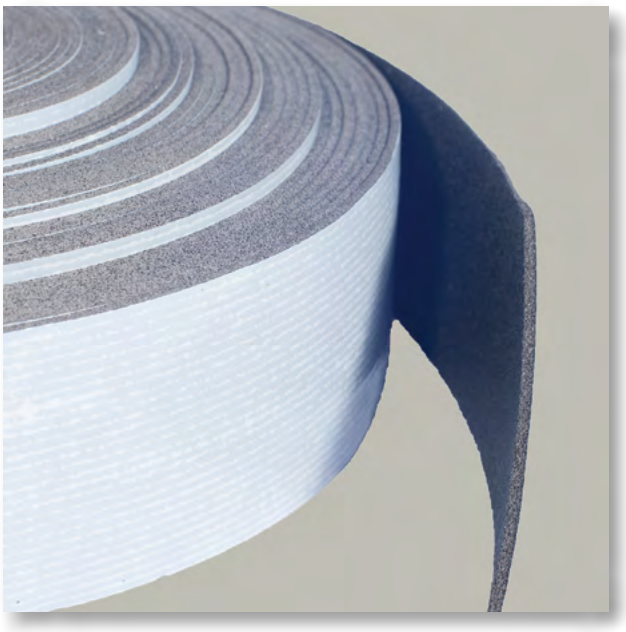
FIELDS OF APPLICATION

AKUSTIK®-BAND is widely used as gaskets for metal structures for plasterboards and moveable walls, as well as for channellings, ventilation plant and plant engineering.

INSTALLATION

AKUSTIK®-BAND is easy to install thanks to its self-adhesive side and it can be applied to any surface provided that it is smooth and free of oil, dust and grease.

INSULATING TAPED MADE OF EXPANDED CROSS-LINKED POLYETHYLENE WITH CLOSED-CELL STRUCTURE



STANDARD DIMENSIONS

Thickness: 3, 5, 10 mm

Width: 20, 30, 40, 50, 70, 90 mm, etc.

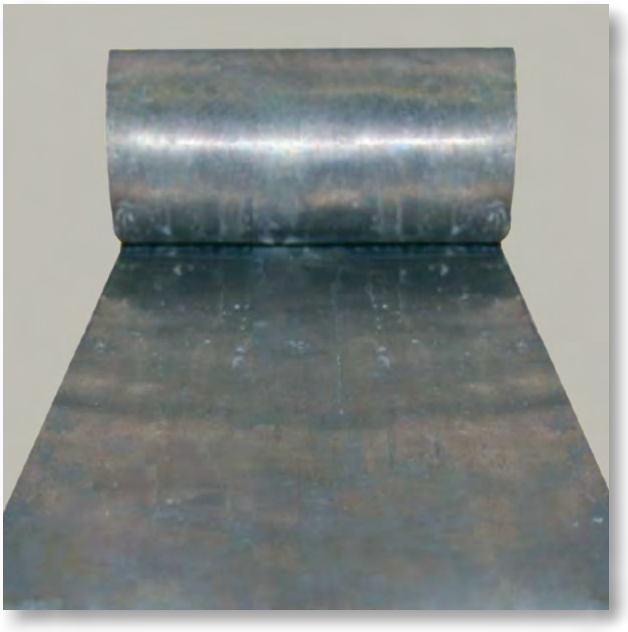
Length: mtl 20 (3 mm thick), mtl 20 (5 mm thick), mtl 10 (10 mm thick).

TECHNICAL CHARACTERISTICS

- **Adhesive:** Acrylic water-based
- **Color:** dark grey
- **Reaction to fire:** F, B-s1, d0 on request
- **Thermal conductivity:** λ = 0,035 WmK
- **Density:** 33 Kg/m^3
- **Thermal resistance:** -80 + 100 °C

PB - BAND

PB-BAND IS THE 99,99% PURE LEAD BAND



STANDARD DIMENSIONS

Product in Rolls

Width: on request (10, 15, 20, 30 cm, etc)

Thickness: 0,35 - 0,50 - 1 - 2 - 3 - 4 mm

Dimensions tolerance: to DIN 7715 Part 2.

MATERIAL

99,99% 1st choice pure lead band, to seal junctions between lead-combined plasterboards (Akustik® Gips Art. 4). Available in different thicknesses (0,35 – 0,50 – 1 - 2 – 3 - 4 mm) and variable width in order to obtain a perfect installation for soundproofing and radiation insulation.

FIELDS OF APPLICATION

Pb-Band seals junctions between lead-combined plasterboards (Akustik® Gips Art. 4). It is used especially for radiation insulating installations and thanks to it's elevate mass, it is also an excellent soundproofing product.

INSTALLATION

Pb-Band must be placed using NDA KOLL glue. On request it can be also supplied with a selfadhesive side.

ZEUS®

MATERIAL

Zeus® is the muffler for ventilation holes that allows the compliance with the passive acoustic requisites of the façades. Zeus® is made of a special polystyrene printed at high density, impact-resistant and self-supporting polystyrene with improved CARBON BLACK conductivity, dark grey in color. Inside it is lines with a high acoustic absorption thermal insulating layer and, thanks to a special patented system “silent cable”, allows for optimum air flow.

FIELDS OF APPLICATION

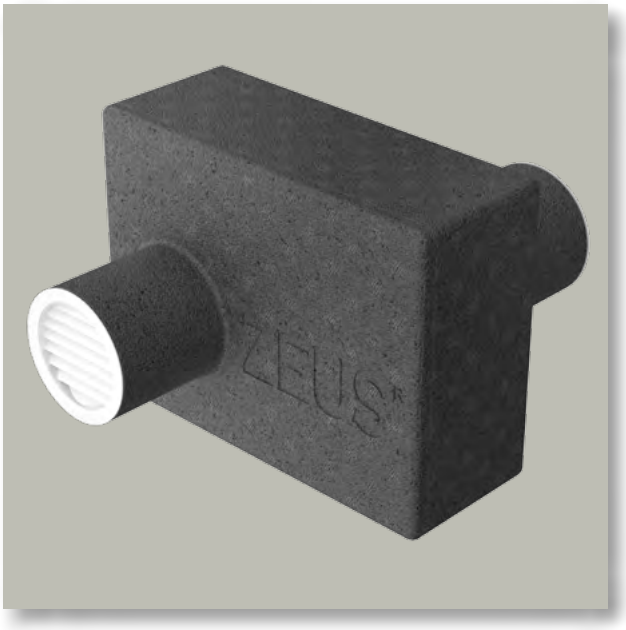
Thermal and acoustic insulation of the building ventilation holes. Compatible with all cement mortars and traditional plasters.

INSTALLATION

Zeus® is lightweight and quick and easy to apply as well as free from fibers inside that could circulate into the environment and in the air. Thanks to its shape and composition, it adapts to any constructive system (double masonry, monolithic, with any external coverings, etc.). It is made with material that is compatible with traditional cement mortars and plasters. Zeus® has an air inlet with a diameter of 15 cm. It is inclusive of special anti-insect grids, built-in, without the use of easily removable glues or mechanical fasteners. Zeus® is self-supporting and can therefore be applied in the implementation stage of the external façade, thus avoiding the subsequent breaking and restoring the external façade.

ZEUS® IS THE MUFFLER FOR VENTILATION HOLES THAT ALLOWS THE COMPLIANCE WITH THE PASSIVE ACOUSTIC REQUISITES OF THE FAÇADES

CE MARKED PRODUCT



STANDARD DIMENSIONS

cm. 45x34x18

Inlets diameter: 150 mm

Length: 13 cm.

TECHNICAL CHARACTERISTICS

- **Soundproof insulation value:** Dn2W= 54 dB (certified)
- **Thermal conductivity of the EPS casing:** λ = 0,031 W/mK at 10°C
- **Thermal conductivity of the soundproofing material made of melamine resin** λ **=** 0,035 W/mK at 10°C
- **Air flow:** >100 cm^2

INSULATION OF VENTILATION HOLES

SMART® 160

THE SMALLEST, INNOVATIVE, FAST AND FUNCTIONAL VENTILATION HOLE MUFFLER

CE MARKED PRODUCT

STANDARD DIMENSIONS

Length: mm 440

Diameter: mm 160

TECHNICAL CHARACTERISTICS

- **External covering:** EPS expanded polystyrene
- **Internal covering:** expanded melamine
- **Air flow:** > 100 cm^2
- **Shape:** cylindrical, corner free < 90°
- **EPS thermal conductivity (10°C):** 0,031 W/mK
- **Expended melamine thermal conductivity (10°C):** 0,035 W/mK
- **Soundproofing:** Dn2w 43 dB

MATERIAL

Smart® 160 is the cylindrical muffler for ventilation holes that adapts to very small spaces, suitable both for new buildings and renovations. Made of a specially moulded high density printed polystyrene with improved CARBON BLACK conductivity, dark grey in color with high acoustic absorption thermal insulating material. The closed cell and waterproof EPS casing allows for an excellent insulation and protective function. The product, thanks to its elasticity, is not affected by industrial vibrations.

FIELDS OF APPLICATION

Thermal and acoustic insulation of the ventilation holes of the buildings, both for new buildings and renovations.

INSTALLATION

Smart® 160 adapts to very small spaces, a hole with a diameter of 160 mm is sufficient to insert the muffler. It can be cut with a simple hacksaw and the system is already equipped with special grilles that are inserted using pressure.

GLUE

NDA-KOLL

MATERIAL

NDA KOLL is the quick setting adhesive, made of synthetic rubbers and resins in a solution of organic solvents. Adhesive produced by the rules in force on the matter.

FIELDS OF APPLICATION

Adhesive for the gluing of lead, rubber with high density, polyurethanes, polyethylene, polystyrene, etc.

INSTALLATION

NDA KOLL can be applied through a spray gun (nozzle diameter: 1.5 / 1.7 mm), as well as by paint roller or brush. Make sure that materials to be glued are clean, after the spreading of the adhesive wait at least 30 seconds and no more than 3 minutes.

REACTION TO FIRE

Flammable.

THE QUICK SETTING ADHESIVE

PACKAGES

Kg 2; 5; 20.

TECHNICAL CHARACTERISTICS

- **Color:** Straw-yellow
- **Storage:** 6 months (+10 / +40 °C)
- **Thermal resistance:** -5 + 70 °C
- **Viscosity:** 200 mPas Brookfield at 20 °C
- **Incidence:** 300 gr/m^2

GLUE

NDA - VIL

SINGLE COMPONENT DISPERSION ADHESIVE READY FOR USE

PACKAGES

12 Kg.

TECHNICAL CHARACTERISTICS

- **Color:** light beige
- **Ratio use:** ready for use
- **Working temperature:** between +5 and +35°C
- **Hardening complete:** after approximately 24 hours
- **Incidence:** approx. 450 gr/m^2
- **Workability (open time):** 30 minutes
- **Specific weight:** 1.4 gr/cm^3 +/- 0.1
- **Viscosity at 20° C Brookfield RVT:** (g.7), (20 RPM) 90.000+/- 10.000 mPAS
- **Product expiry:** 12 months from manufacturing date if correctly stored.

MATERIAL

NDA VIL is the single-component water and precious resins based adhesive suitable for bonding on absorbent surfaces such as wood, plaster, drywall, etc. NDA VIL is ready to use and is not dangerous.

FIELDS OF APPLICATION

NDA VIL is the adhesive for bonding insulation boards such as melamine, cork, polyurethane, polystyrene, mineral wool etc.

INSTALLATION

Apply NDA VIL with the appropriate pronged spatula. Once the product has been spread, exert a suitable pressure in order to ensure contact between the adhesive and the material to be bonded. The spreading of the product must be carried out on the surfaces to which the material is to be bonded.

GLUE

FORTECEM dB+

MATERIAL

FORTECEM dB+ has an elastic formulation specifically designed to optimise acoustic insulation of insulating systems through gluing. FORTECEM dB+ increases mass, makes the system more elastic and guarantees +dB. Indicated for laying of insulating building materials, such as the AKUSTIK GIPS and FERMASOUND range of panels.

FIELDS OF APPLICATION

For the installation of plasterboards combined with a heavy rubber, epdm, etc. layers on plasters, concretes, drywall, existing non-absorbent walls.

INSTALLATION

Pour clean water into a clean container and add stirring vigorously the sufficient amount of powder to obtain a lump-free, malleable dense and doughy mortar. The panelling is installed on a thick and abundant bed of mortar using a large pronged spatula. Apply on dry and wet surface provided it is solid, stable, has a good grip and has no separators. In the case of gypsum based plaster it is advisable to use a coat of primer on the surface before moving on to the pasting.

REACTION TO FIRE

Not inflammable.

CEMENT-BASED ACOUSTIC GLUE, WATER-RESISTANT, FREEZE-RESISTANT, ELASTIC, FOR LAYING INSULATING BUILDING MATERIALS

PACKAGES

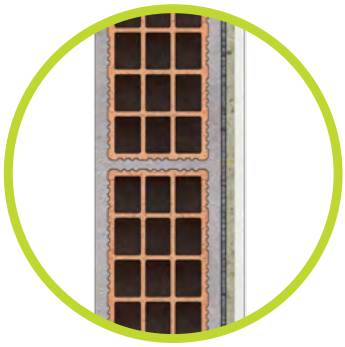
Bags: from 25 Kg.

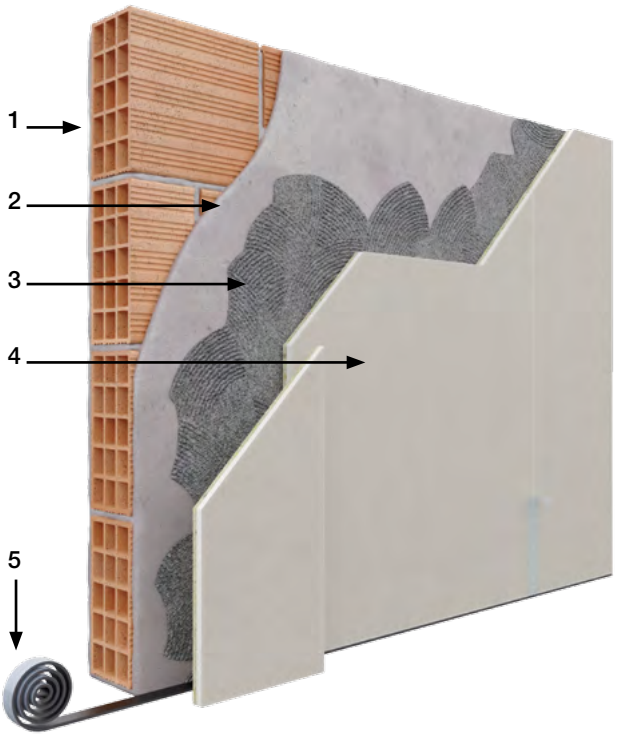
Performance: 1 bag approx. 10 m^2

WALLS IN ADHERENCE

SOUND INSULATION ON EXISTING WALLS WITH HIGH INSULATIONS SYSTEMS AND MINIMUM THICKNESS

Rw= 54 dB



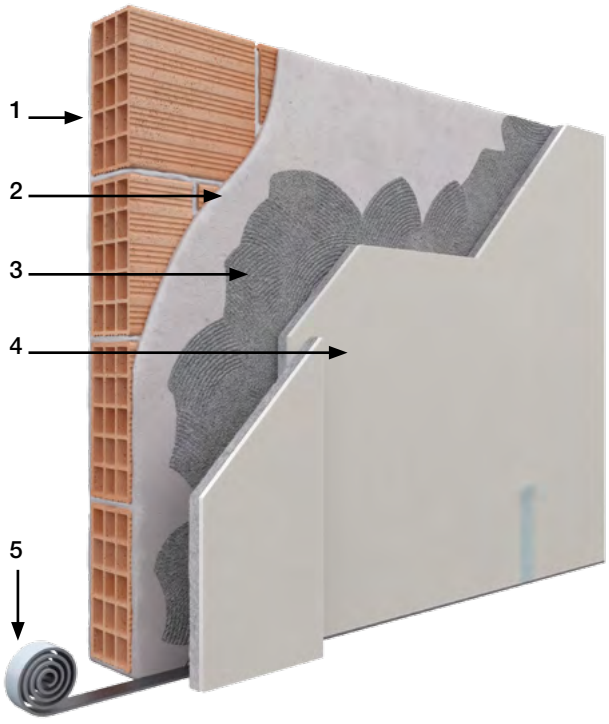


LEGEND

1. Light weight masonry
2. Cement mortar
3. FORTECEM dB+ glue
4. AKUSTIK® GIPS C1
5. AKUSTIK® BAND

Rw= 58 dB

Certificate n. 331860 I. G.



LEGEND

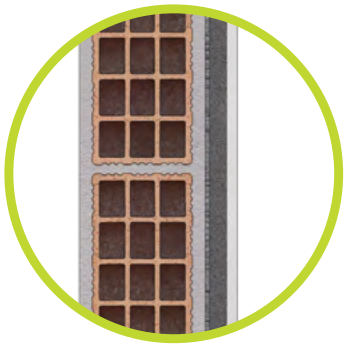
1. Light weight masonry
2. Cement mortar
3. FORTECEM dB+ glue
4. AKUSTIK® GIPS ART. 9
5. AKUSTIK® BAND

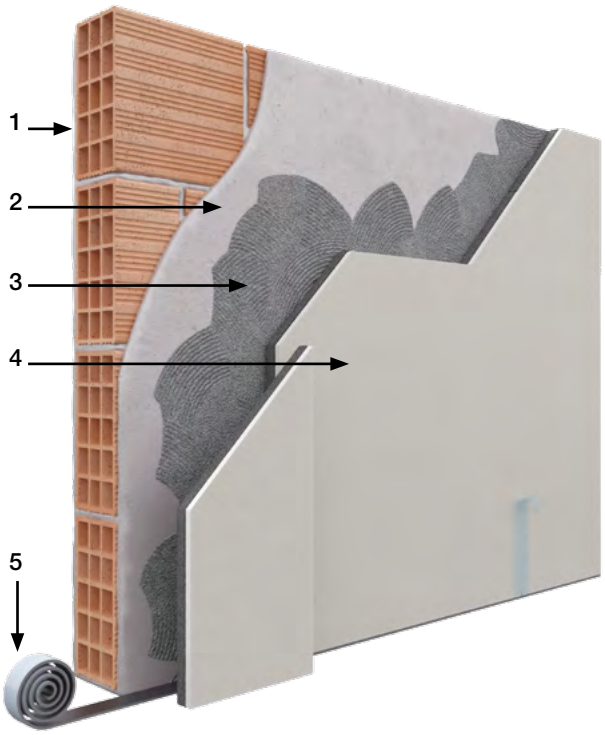
CERTIFIED SYSTEMS

WALLS IN ADHERENCE

Rw= 61 dB

Certificate n. 331862 I.G.





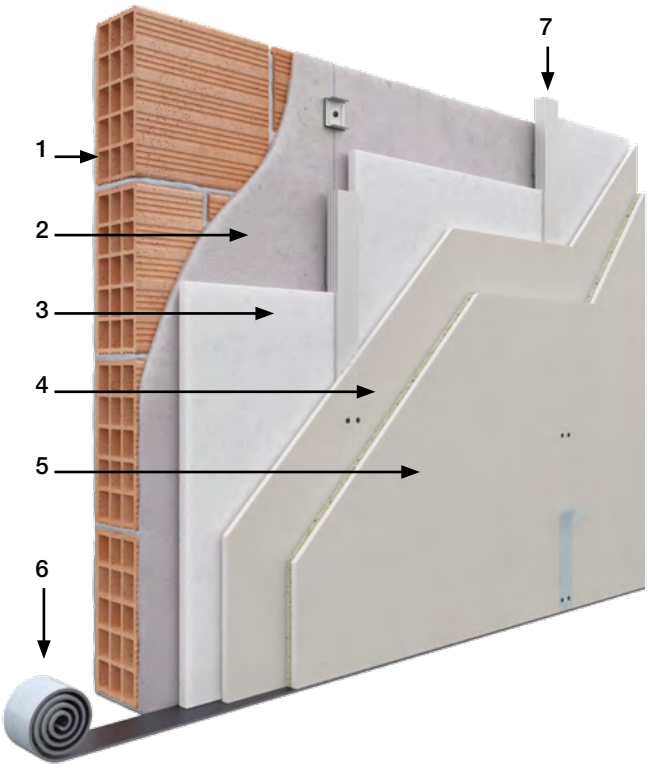
LEGEND

1. Light weight masonry
2. Cement mortar
3. FORTECEM dB+ glue
4. AKUSTIK® GIPS ART. 3
5. AKUSTIK® BAND

COUNTERWALLS

SOUND AND THERMAL INSULATION ON EXISTING WALLS WITH HIGH PERFORMANCE SYSTEMS

Rw= 59 dB

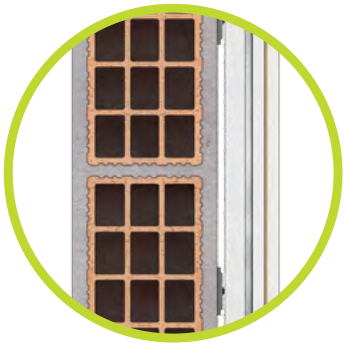


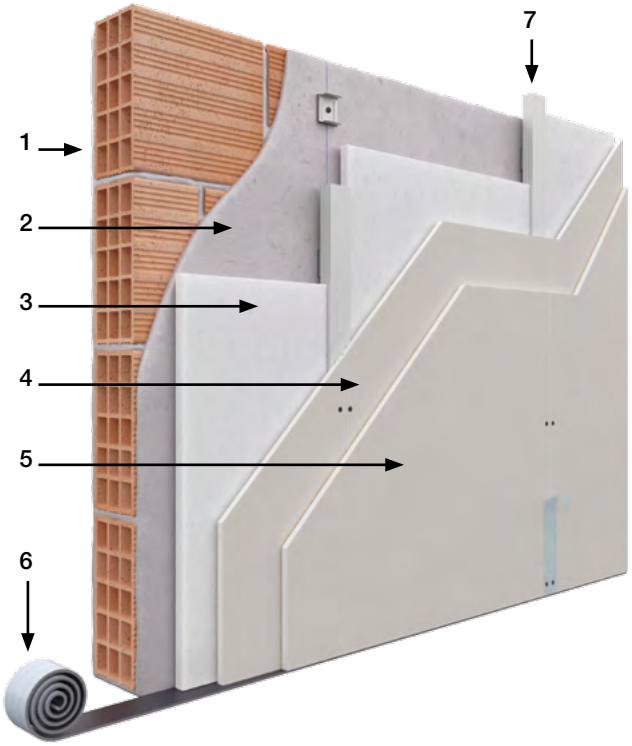
LEGEND

1. Light weight masonry
2. Cement mortar
3. AKUSTIK® SOFT SP 20mm D. 30 Kg/m³
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS C1
6. AKUSTIK® BAND
7. Connecting clip and metal stud 50/27

Rw= 64 dB

Certificate n. 339207 I. G.





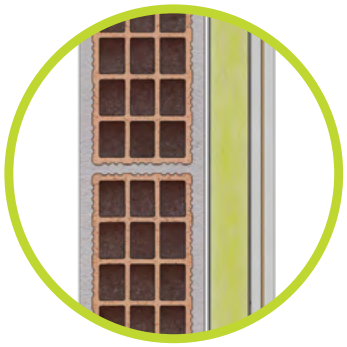
LEGEND

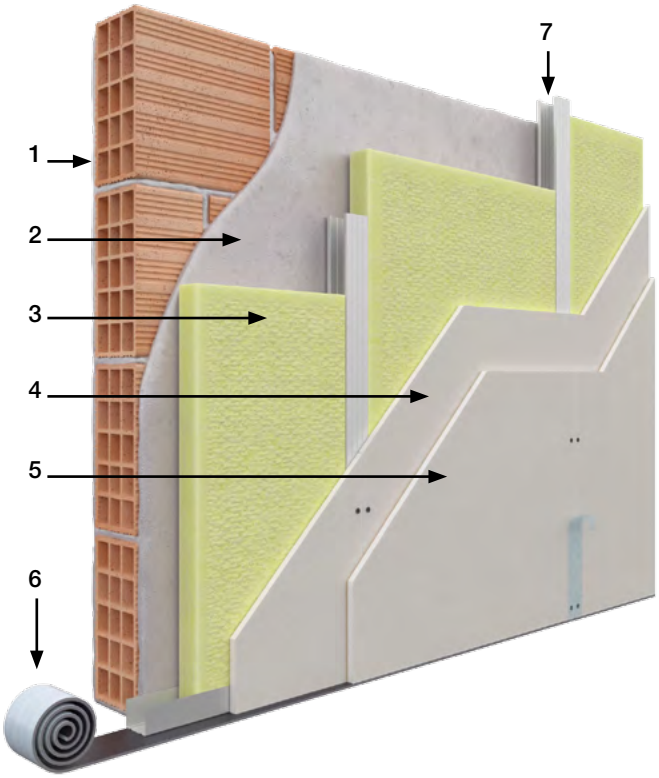
1. Light weight masonry
2. Cement mortar
3. AKUSTIK® SOFT SP 20mm D. 30 Kg/m³
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS ART. 2
6. AKUSTIK® BAND
7. Connecting clip and metal stud 50/27

COUNTERWALLS

Rw= 67 dB

Certificate n. 339208 I.G.



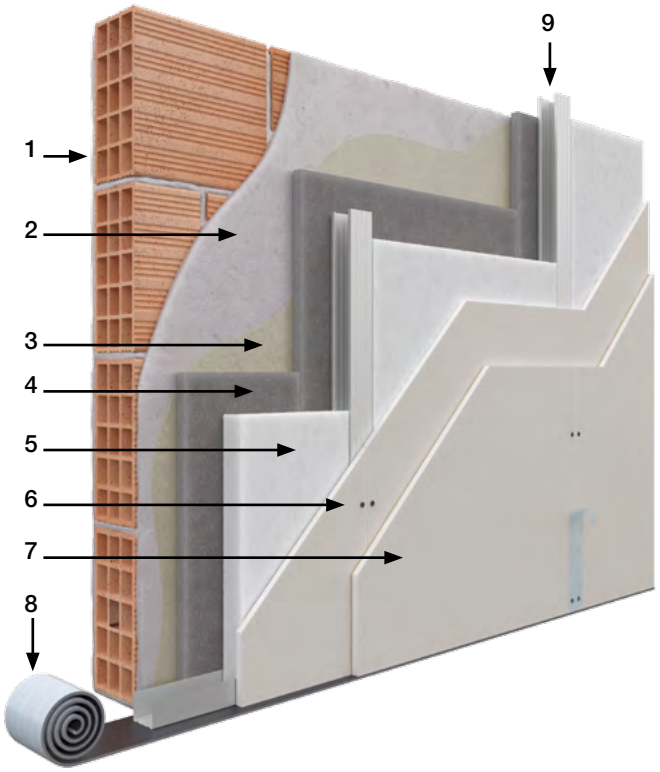


LEGEND

1. Light weight masonry
2. Cement mortar
3. Fiberglass th. 45 mm D. 12 Kg/m³
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS ART. 2
6. AKUSTIK® BAND
7. Guides and uprights 50 mm

Rw= 68 dB

Certificate n. 331864 I.G.



LEGEND

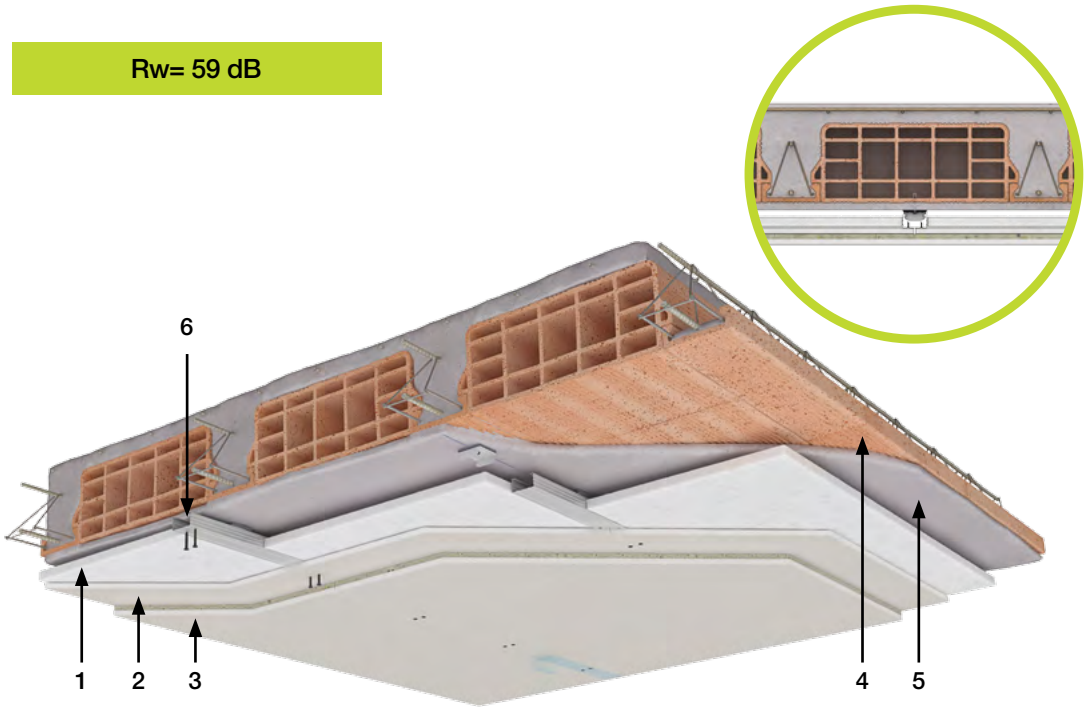
1. Light weight masonry
2. Cement mortar
3. NDA KOLL
4. AKUSTIK® METAL SILK ART. 1 th. 20 mm PB 0,35 mm
5. AKUSTIK® SOFT th. 20mm D. 30 Kg/m³
6. Plasterboard BA 12,5 mm
7. AKUSTIK® GIPS ART. 2
8. AKUSTIK® BAND
9. Guides and uprights 50 mm

CERTIFIED SYSTEMS

FALSE-CEILINGS

SOUND INSULATION OF AIR AND FLOOR NOISES ON EXISTING FLOORS REALIZING HIGH INSULATION FALSE-CEILINGS

Rw= 59 dB



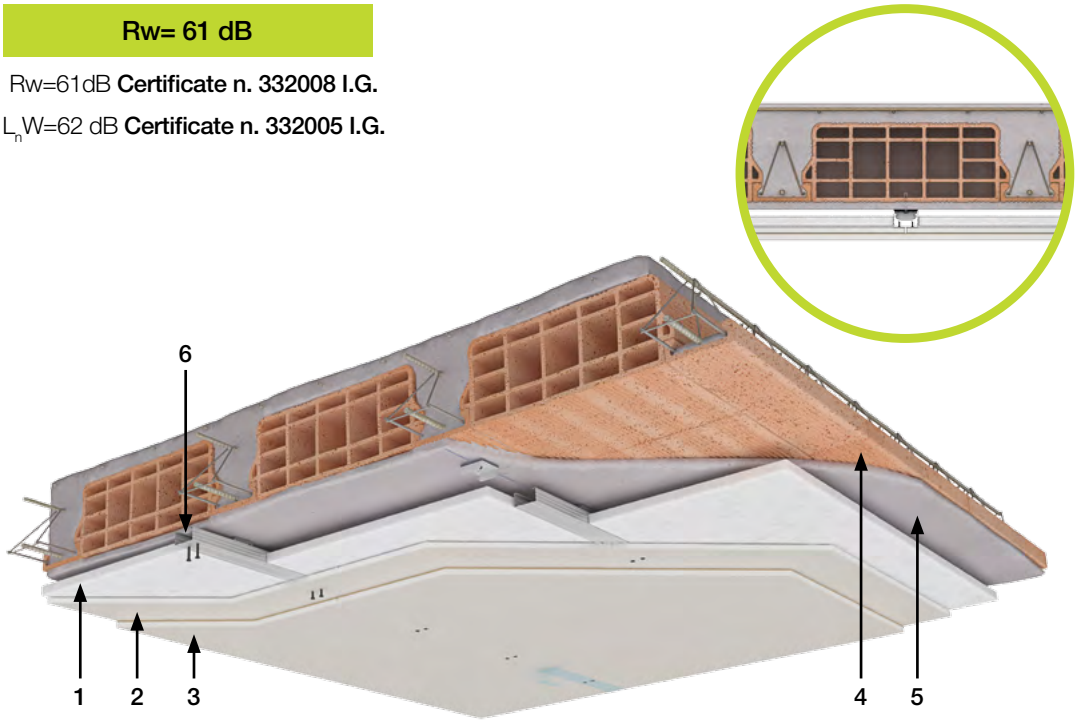
LEGEND

1. AKUSTIK® SOFT th. 20mm D. 30 Kg/m³
2. Plasterboard BA 12,5 mm
3. AKUSTIK® GIPS C1
4. Concrete slab
5. Cement mortar
6. Connecting clip and metal stud 50/27

Rw= 61 dB

Rw=61dB **Certificate n. 332008 I.G.**

L_nW=62 dB **Certificate n. 332005 I.G.**



LEGEND

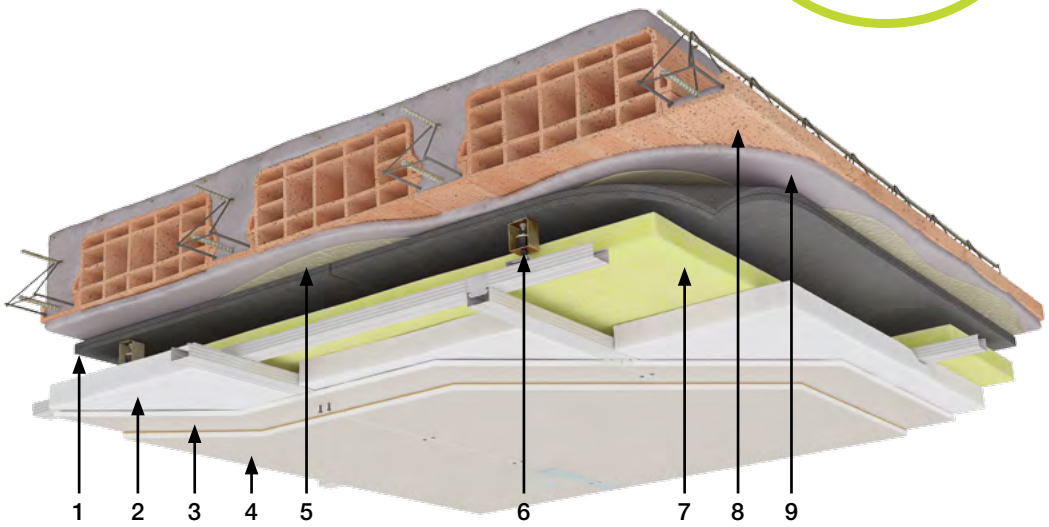
1. AKUSTIK® SOFT th. 20mm D. 30 Kg/m³
2. Plasterboard BA 12,5 mm
3. AKUSTIK® GIPS ART. 2
4. Concrete slab
5. Cement mortar
6. Connecting clip and metal stud 50/27

FALSE-CEILINGS

Rw= 62 dB

Rw= 62 dB **Certificate n. 332009 I.G.**

L_nW=43 dB **Certificate n. 332006 I.G.**



LEGEND

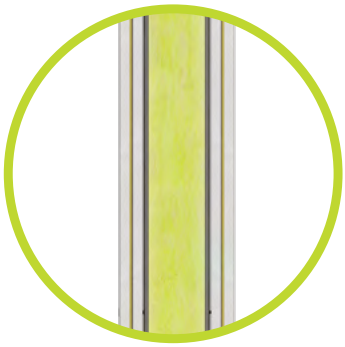
1. AKUSTIK® GUM SLIK th. 20 mm
2. AKUSTIK® SOFT th. 20mm D. 30 Kg/m³
3. Plasterboard BA 12,5 mm
4. AKUSTIK® GIPS ART. 2
5. NDA KOLL
6. AKUSTIK® 1
7. Fiberglass th. 45 mm, D. 12 Kg/m³
8. Concrete slab
9. Cement mortar

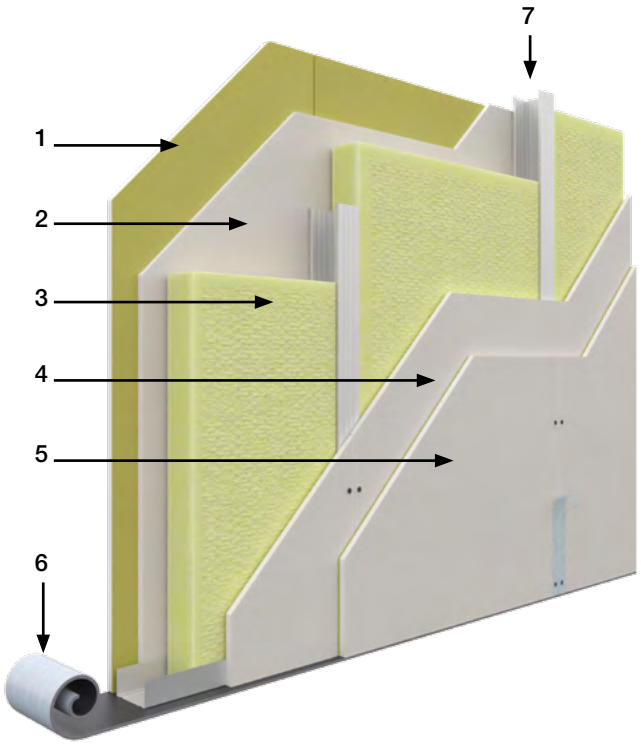
FIVE STAR WALLS

DRY VERTICAL PARTITIONS WITH CERTIFIED PERFORMANCE FOR NEW CONSTRUCTIONS OR RENOVATIONS

Rw= 63 dB

Certificate n. 266459 I.G.



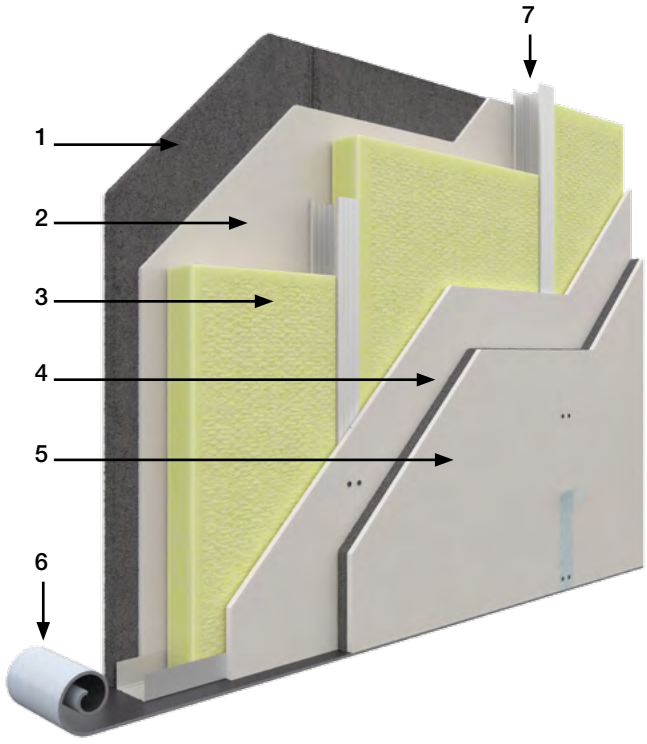


LEGEND

1. AKUSTIK® GIPS ART. 2
2. Plasterboard BA 12,5 mm
3. Fiberglass th. 70 mm D. 30 Kg/m³
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS ART. 2
6. AKUSTIK® BAND
7. Guides and uprights 50 mm

Rw= 64 dB

Certificate n. 266462 I.G.



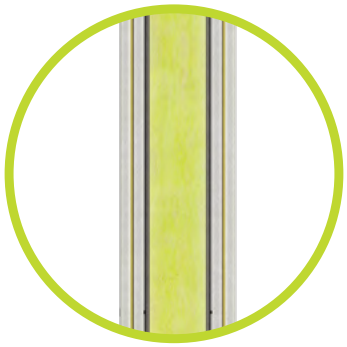
LEGEND

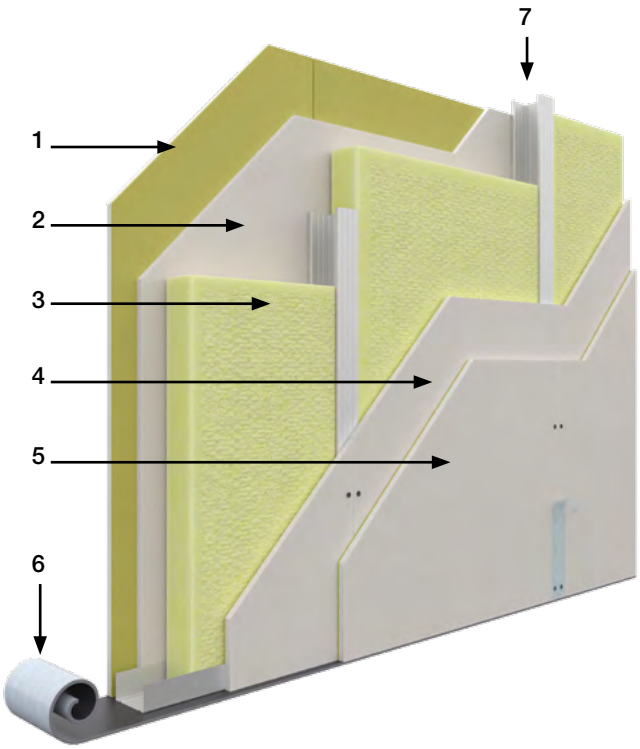
1. AKUSTIK® GIPS ART. 3 TOP
2. Plasterboard BA 12,5 mm
3. Fiberglass th. 70 mm D. 30 Kg/m³
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS ART. 3 TOP
6. AKUSTIK® BAND
7. Guides and uprights 50 mm

FIVE STAR WALLS

Rw= 65 dB

Certificate n. 266466 I.G.



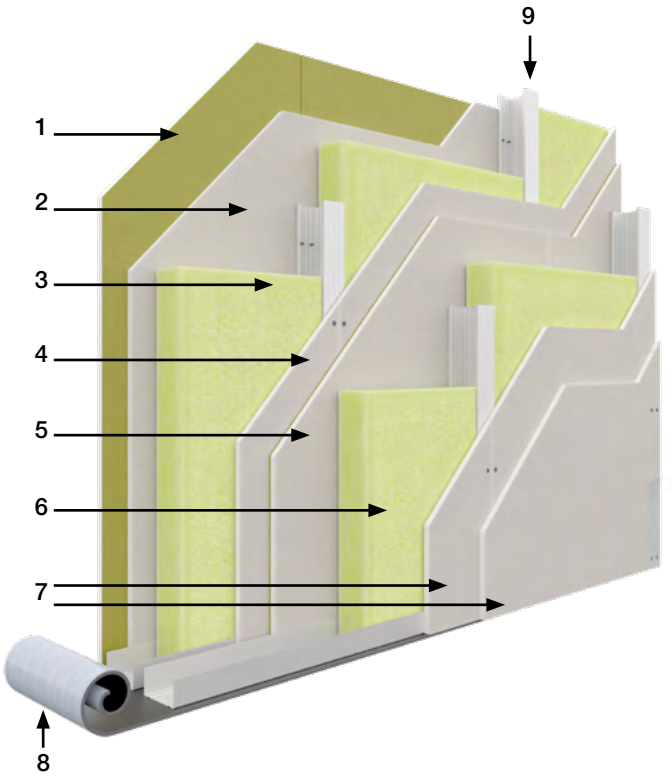


LEGEND

1. FERMASOUND® ART. 2
2. FERMASOUND® BASE
3. Fiberglass th. 70 mm
   D. 30 Kg/m³
4. FERMASOUND® BASE
5. FERMASOUND® ART. 2
6. AKUSTIK® BAND
7. Guides and uprights 50 mm

Rw= 67 dB

Certificate n. 266460 I.G.



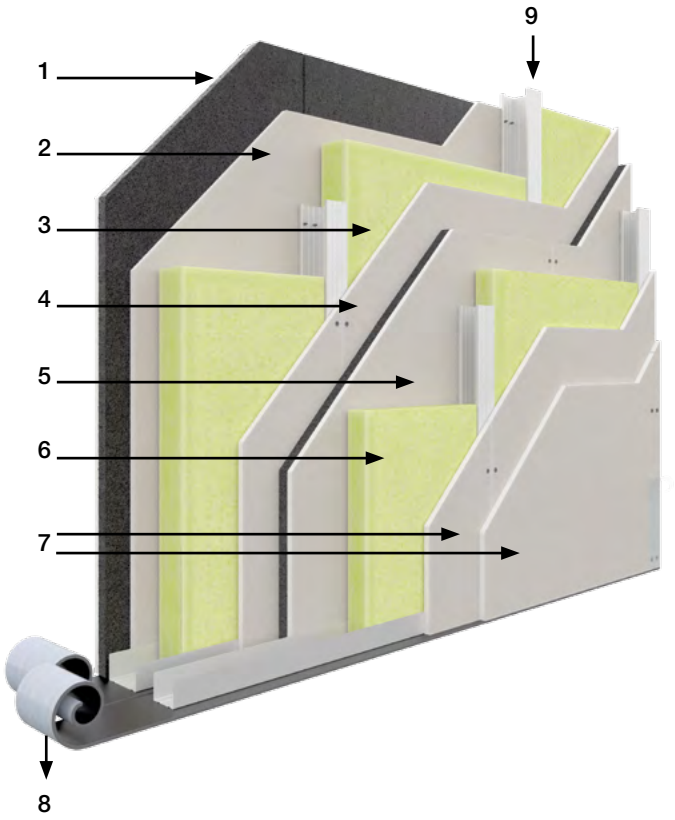
LEGEND

1. AKUSTIK® GIPS ART. 2
2. Plasterboard
   BA 12,5 mm
3. Fiberglass th. 70 mm
   D. 30 Kg/m³
4. Plasterboard
   BA 12,5 mm
5. AKUSTIK® GIPS ART. 2
6. Fiberglass th. 50 mm
   D. 30 Kg/m³
7. Plasterboard
   BA 12,5 mm
8. AKUSTIK® BAND
9. Guides and uprights 50 mm

FIVE STAR WALLS

Rw= 68 dB

Certificate n. 318116 I.G.



LEGEND

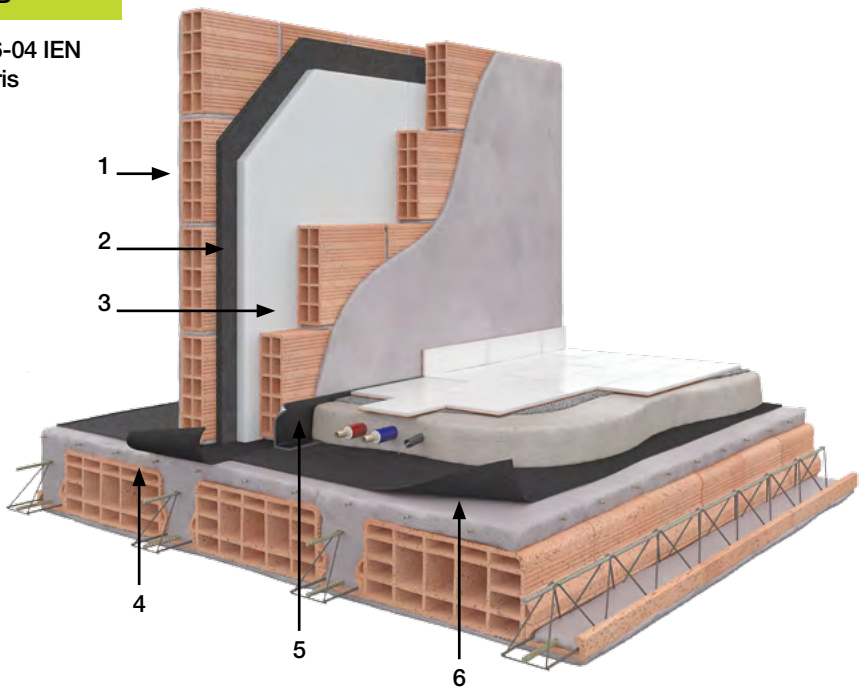
1. AKUSTIK® GIPS ART. 3 TOP
2. Plasterboard BA 12,5 mm
3. Fiberglass th. 70 mm D. 30 Kg/m³
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS ART. 3 TOP
6. Fiberglass th. 50 mm D. 30 Kg/m³
7. Plasterboard BA 12,5 mm
8. AKUSTIK® BAND
9. Guides and uprights 50 mm

THE SILENCE WALLS

ACOUSTIC INSULATION OF THE HORIZONTAL AND VERTICAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS

Rw= 53,5 dB

Certificate n. 33416-04 IEN Galileo Ferraris

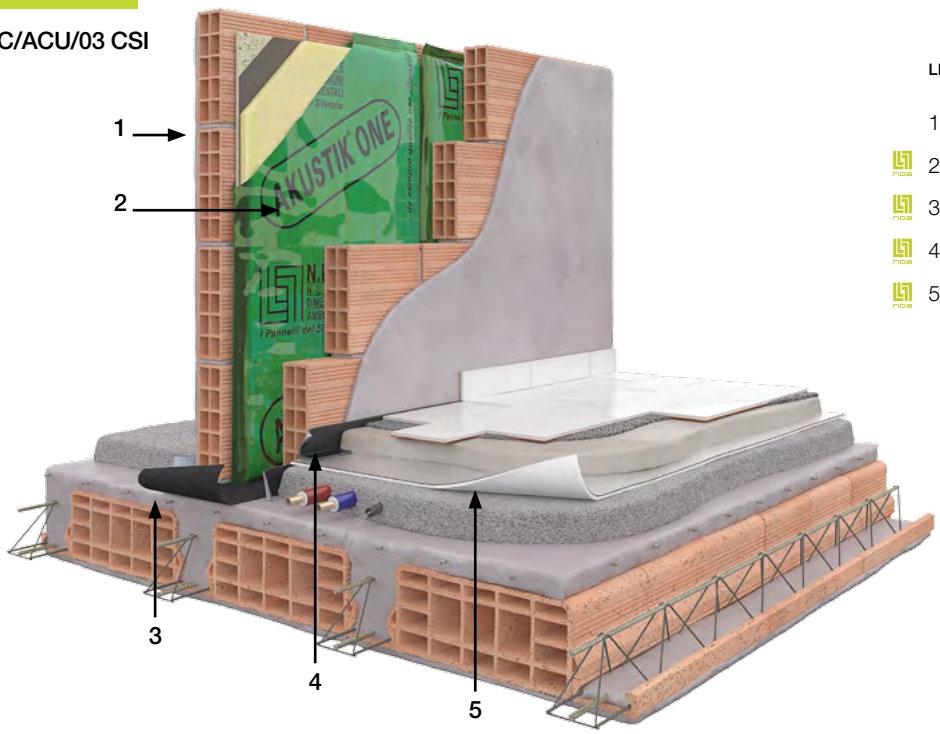


LEGEND

1. Light weight masonry
2. ECORUBBER® th.20 mm
3. ISOTEK SLIK® th.30 mm
4. WALL BAND®
5. AKUSTIK® BORDER
6. ECOROLL th.5 mm

Rw= 58 dB

Certificate n. 0026-C/DC/ACU/03 CSI

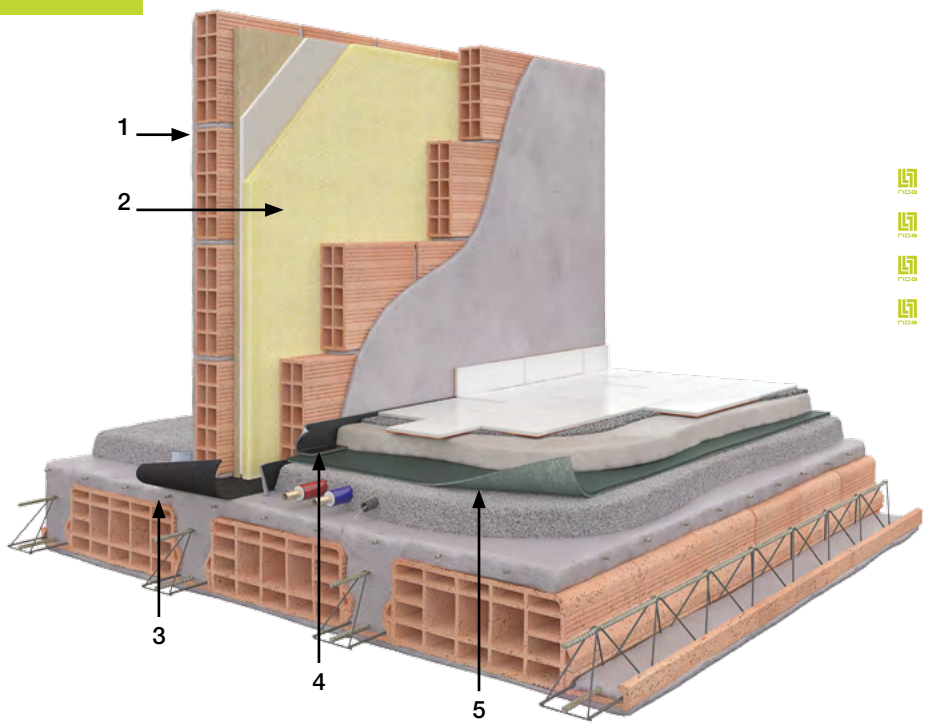


LEGEND

1. Light weight masonry
2. AKUSTIK® ONE
3. WALL BAND®
4. AKUSTIK® BORDER
5. PHONOSTEP®

THE SILENCE WALLS

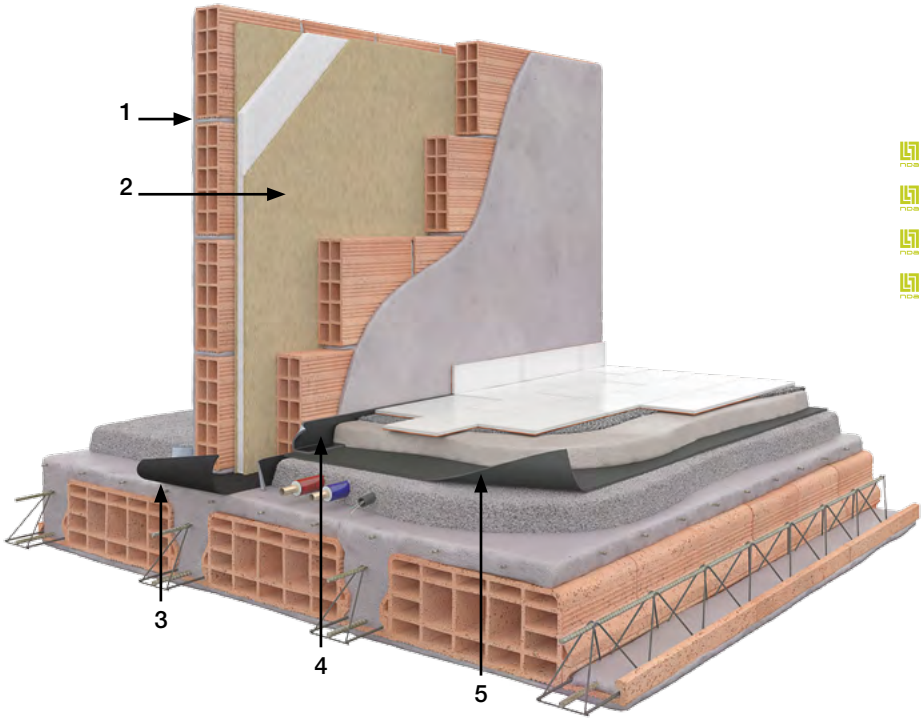
Rw= 60 dB



LEGEND

1. Light weight masonry
2. PARET-ONE®
3. WALL BAND®
4. AKUSTIK® BORDER
5. PAVIPIÙ®

Rw= 64 dB

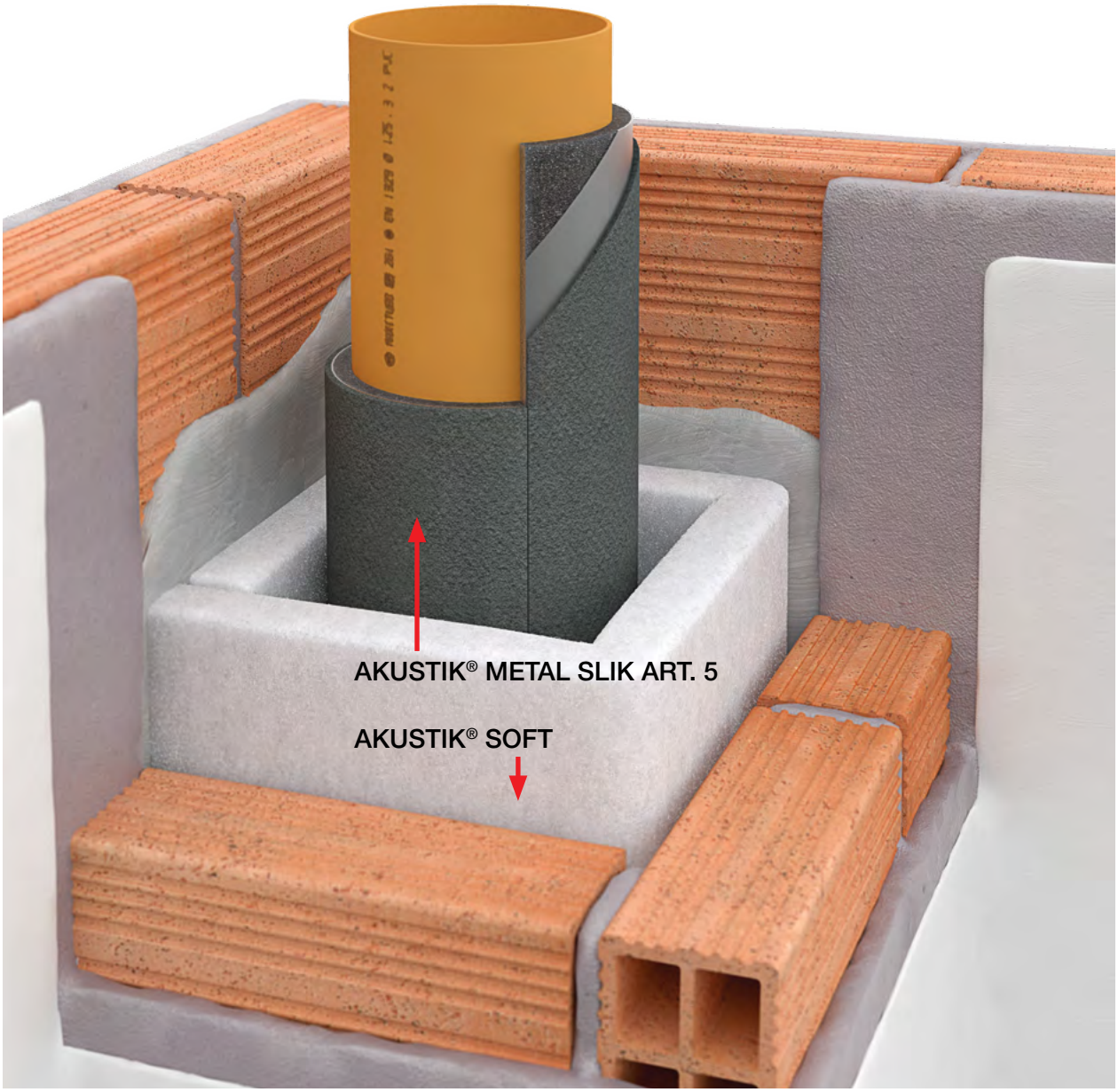


LEGEND

1. Light weight masonry
2. AKUSTIK® WOOD
3. WALL BAND®
4. AKUSTIK® BORDER
5. AKUSTIK® PE 5 MM

PIPES INSULATION

SOUNDPROOFING INSULATION OF PIPES AND DISCHARGE SYSTEMS WITH AKUSTIK® METAL SLIK ART. 5

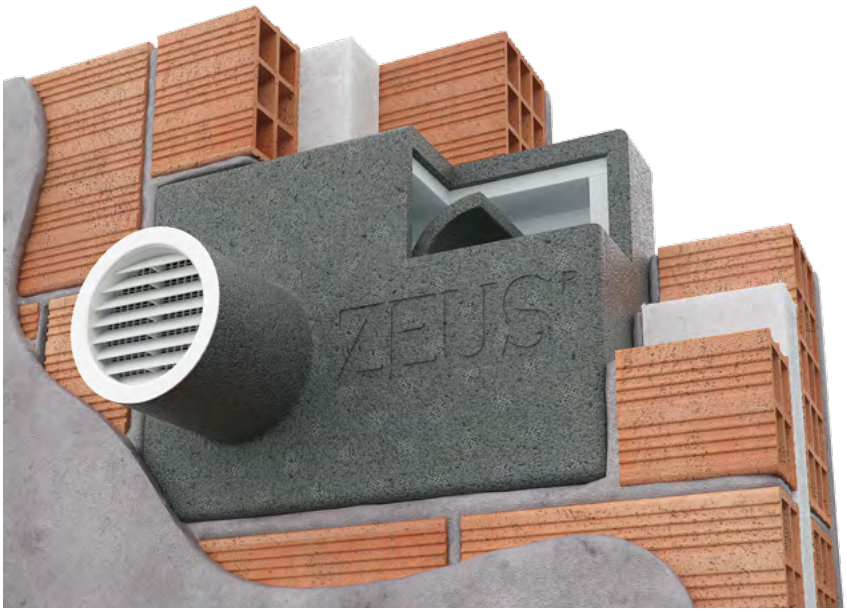


SPECIFICATION ITEM

The pipes will be isolated using AKUSTIK®METAL SLIK art. 5, the sound insulating and sound absorbent panel made by one layer of polyester- based and expanded polyurethane foam of 10 mm thickness, and one layer of cross-linked polyethylene foam of 3 mm thickness, separated by a 0,35-0,50 mm lead sheet. The polyurethane surface will be in contact with the pipe. The empty part of the chin will be filled with AKUSTIK® SOFT, sound absorbing product, D. 20 Kg/m^2, th. 40 mm.

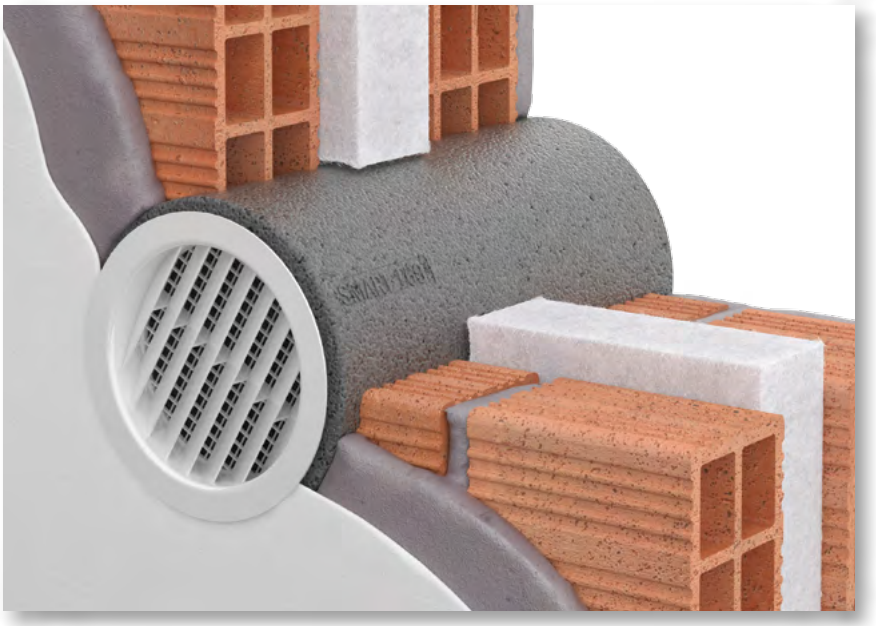
FACADE INSULATION

INSULATION OF VENTILATION HOLES WITH ZEUS®



- Soundproof insulation value $D_{n2}W$= 54 dB (certified)
- Thermal conductivity of the EPS casing λ = 0.031 W/mK at 10°C
- Thermal conductivity of the soundproofing material made of melamine resin λ = 0.035 W/mK at 10°C

INSULATION OF VENTILATION HOLES WITH SMART® 160

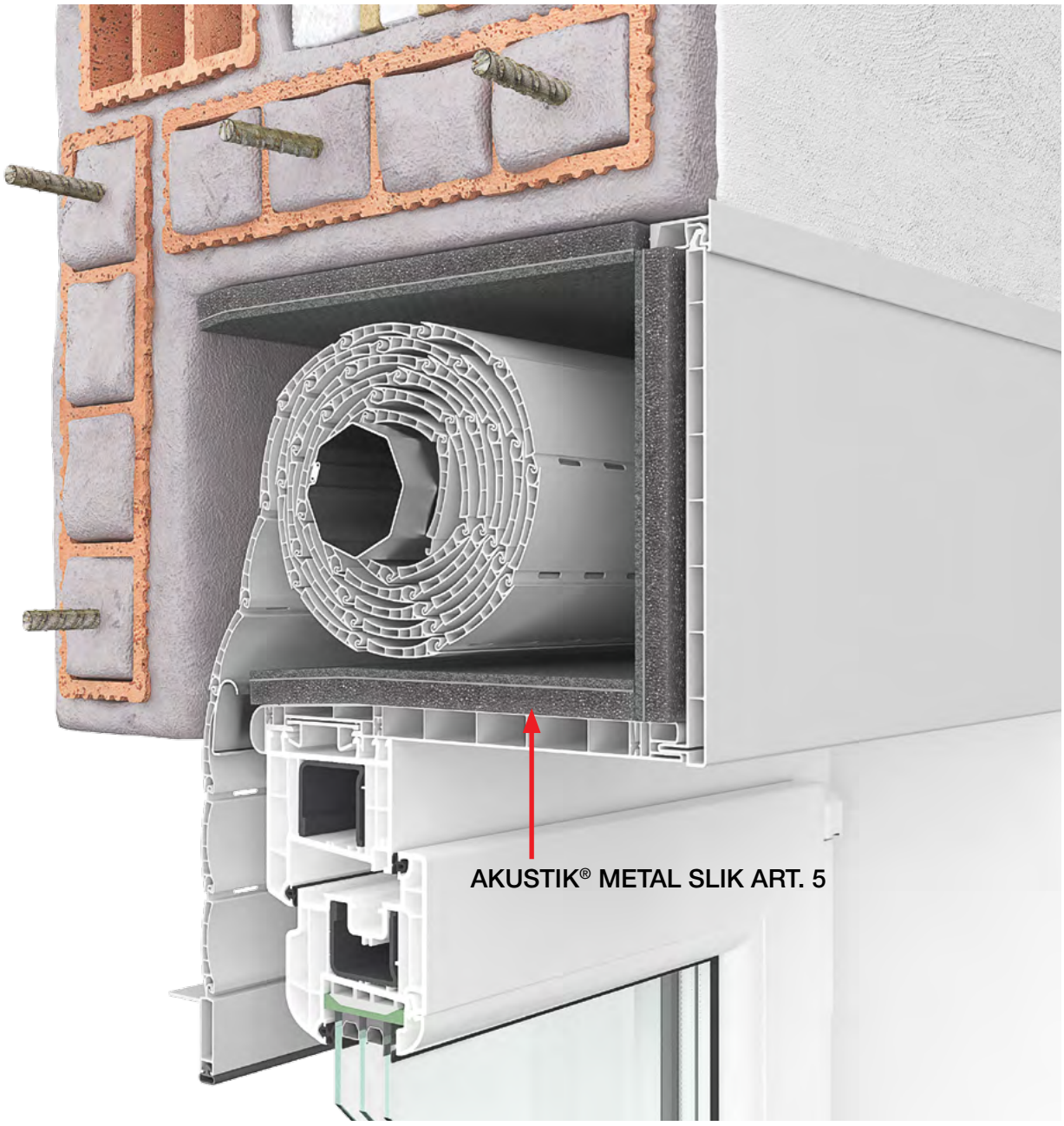


- Soundproof insulation value $D_{n2}W$= 43 dB (certified)
- Thermal conductivity of the EPS casing λ = 0.031 W/mK at 10°C
- Thermal conductivity of the soundproofing material made of melamine resin λ = 0.035 W/mK at 10°C

CERTIFIED SYSTEMS

ROLLER SHUTTER INSULATION

SOUNDPROOFING INSULATION OF ROLLER SHUTTER BOX WITH AKUSTIK® METAL SLIK ART. 5



SPECIFICATION ITEM

The acoustic and thermal isolation of the roller shutter box will be realized using AKUSTIK® METAL SLIK art. 5, the sound insulating and sound absorbent panel made by one layer of polyester- based and expanded polyurethane foam of 10 mm thickness, and one layer of cross-linked polyethylene foam of 3 mm thickness, separated by a 0,35-0,50 mm lead sheet of NDA.

THE PANELS OF SILENCE
SINCE 1987

N.D.A. technical office is at your disposal for eventual information and enquiries on products and contructive systems.

ProductCatalogue 2018

THE PANELS OF SILENCE

SINCE 1987

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